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(54) Title: SUCCINOYLAMINO LACTAMS AS INHIBITORS OF A β PROTEIN PRODUCTION			
(57) Abstract			
<p>This invention relates to novel lactams of Formula (I) or a pharmaceutically acceptable salts or prodrug thereof, having drug and bio-affecting properties, their pharmaceutical compositions and methods of use. These novel compounds inhibit the processing of amyloid precursor protein and, more specifically, inhibit the production of Aβ-peptide, thereby acting to prevent the formation of neurological deposits of amyloid protein. More particularly, the present invention relates to the treatment of neurological disorders related to β-amyloid production such as Alzheimer's disease and Down's Syndrome.</p>			

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TITLESUCCINOYLAMINO LACTAMS AS INHIBITORS OF A β PROTEIN PRODUCTIONFIELD OF THE INVENTION

5 This invention relates to novel lactams having drug and
bio-affecting properties, their pharmaceutical compositions
and methods of use. These novel compounds inhibit the
processing of amyloid precursor protein and, more
specifically, inhibit the production of A β -peptide, thereby
10 acting to prevent the formation of neurological deposits of
amyloid protein. More particularly, the present invention
relates to the treatment of neurological disorders related to
 β -amyloid production such as Alzheimer's disease and Down's
Syndrome.

15

BACKGROUND OF THE INVENTION

Alzheimer's disease (AD) is a degenerative brain
disorder characterized clinically by progressive loss of
memory, temporal and local orientation, cognition, reasoning,
20 judgment and emotional stability. AD is a common cause of
progressive dementia in humans and is one of the major causes
of death in the United States. AD has been observed in all
races and ethnic groups worldwide, and is a major present and
future health problem. No treatment that effectively
25 prevents AD or reverses the clinical symptoms and underlying
pathophysiology is currently available (for review, Dennis J.
Selkoe; Cell Biology of the amyloid (beta)-protein precursor
and the mechanism of Alzheimer's disease, Annu Rev Cell Biol,
1994, 10: 373-403).

30 Histopathological examination of brain tissue derived
upon autopsy or from neurosurgical specimens in effected
individuals revealed the occurrence of amyloid plaques and
neurofibrillar tangles in the cerebral cortex of such
patients. Similar alterations were observed in patients with
35 Trisomy 21 (Down's syndrome), and hereditary cerebral
hemorrhage with amyloidosis of the Dutch-type.

Neurofibrillar tangles are nonmembrane-bound bundles of abnormal proteinaceous filaments and biochemical and immunochemical studies led to the conclusion that their principle protein subunit is an altered phosphorylated form of the tau protein (reviewed in Selkoe, 1994).

Biochemical and immunological studies revealed that the dominant proteinaceous component of the amyloid plaque is an approximately 4.2 kilodalton (kD) protein of about 39 to 43 amino acids. This protein was designated A β , β -amyloid peptide, and sometimes β /A4; referred to herein as A β . In addition to deposition of A β in amyloid plaques, A β is also found in the walls of meningeal and parenchymal arterioles, small arteries, capillaries, and sometimes, venules. A β was first purified, and a partial amino acid reported, in 1984 (Glenner and Wong, Biochem. Biophys. Res. Commun. 120: 885-890). The isolation and sequence data for the first 28 amino acids are described in U.S. Pat. No 4,666,829.

Compelling evidence accumulated during the last decade revealed that A β is an internal polypeptide derived from a type 1 integral membrane protein, termed β amyloid precursor protein (APP). β APP is normally produced by many cells both in vivo and in cultured cells, derived from various animals and humans. A β is derived from cleavage of β APP by as yet unknown enzyme (protease) system(s), collectively termed secretases.

The existence of at least four proteolytic activities has been postulated. They include β secretase(s), generating the N-terminus of A β , α secretase(s) cleaving around the 16/17 peptide bond in A β , and γ secretases, generating C-terminal A β fragments ending at position 38, 39, 40, 42, and 43 or generating C-terminal extended precursors which are subsequently truncated to the above polypeptides.

Several lines of evidence suggest that abnormal accumulation of A β plays a key role in the pathogenesis of AD. Firstly, A β is the major protein found in amyloid plaques. Secondly, A β is neurotoxic and may be causally related to neuronal death observed in AD patients. Thirdly, missense DNA mutations at position 717 in the 770 isoform of

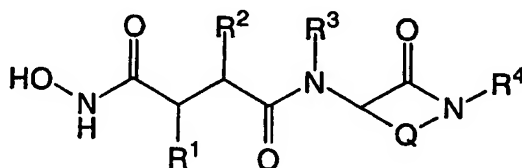
β APP can be found in effected members but not unaffected members of several families with a genetically determined (familiar) form of AD. In addition, several other β APP mutations have been described in familiar forms of AD.

5 Fourthly, similar neuropathological changes have been observed in transgenic animals overexpressing mutant forms of human β APP. Fifthly, individuals with Down's syndrome have an increased gene dosage of β APP and develop early-onset AD. Taken together, these observations strongly suggest that A β depositions may be causally related to the AD.

10 It is hypothesized that inhibiting the production of A β will prevent and reduce neurological degeneration, by controlling the formation of amyloid plaques, reducing neurotoxicity and, generally, mediating the pathology associated with A β production. One method of treatment methods would therefore be based on drugs that inhibit the formation of A β in vivo.

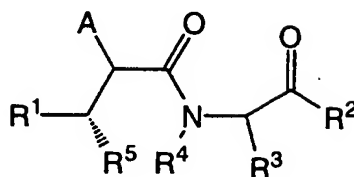
Methods of treatment could target the formation of A β through the enzymes involved in the proteolytic processing of β amyloid precursor protein. Compounds that inhibit β or γ secretase activity, either directly or indirectly, could control the production of A β . Advantageously, compounds that specifically target γ secretases, could control the production of A β . Such inhibition of β or γ secretases could thereby reduce production of A β , which, thereby, could reduce or prevent the neurological disorders associated with A β protein.

PCT publication number WO 96/29313 discloses the general formula:

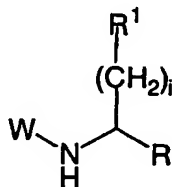


covering metalloprotease inhibiting compounds useful for the treatment of diseases associated with excess and/or unwanted matrix metalloprotease activity, particularly collagenase and or stromelysin activity.

Compounds of general formula:

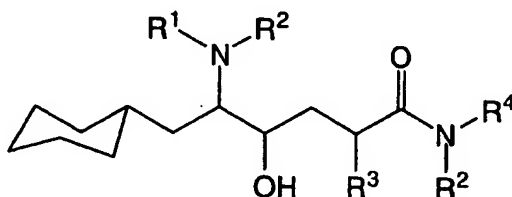


- 5 are disclosed in PCT publication number WO 95/22966 relating to matrix metalloprotease inhibitors. The compounds of the invention are useful for the treatment of conditions associated with the destruction of cartilage, including corneal ulceration, osteoporosis, periodontitis and cancer.
- 10 European Patent Application number EP 0652009A1 relates to the general formula:



- and discloses compounds that are protease inhibitors that
- 15 inhibit A β production.

US Patent Number 5703129 discloses the general formula:



- 20 which covers 5-amino-6-cyclohexyl-4-hydroxy-hexanamide derivatives that inhibit A β production and are useful in the treatment of Alzheimer's disease.

- None of the above references teaches or suggests the compounds of the present invention which are described in
- 25 detail below.

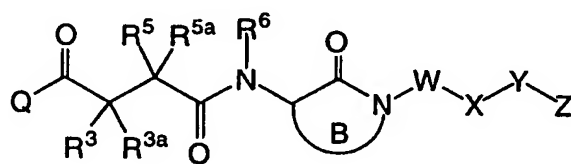
SUMMARY OF THE INVENTION

One object of the present invention is to provide novel compounds which are useful as inhibitors of the production of A β protein or pharmaceutically acceptable salts or prodrugs thereof.

5 It is another object of the present invention to provide pharmaceutical compositions comprising a pharmaceutically acceptable carrier and a therapeutically effective amount of at least one of the compounds of the present invention or a pharmaceutically acceptable salt or prodrug form thereof.

10 It is another object of the present invention to provide a method for treating degenerative neurological disorders comprising administering to a host in need of such treatment a therapeutically effective amount of at least one of the compounds of the present invention or a pharmaceutically acceptable salt or prodrug form thereof.

15 These and other objects, which will become apparent during the following detailed description, have been achieved by the inventors' discovery that compounds of Formula (I):

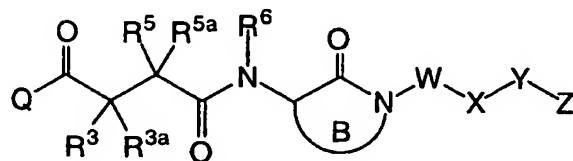


(I)

or pharmaceutically acceptable salt or prodrug forms thereof, wherein R³, R^{3a}, R⁵, R^{5a}, R⁶, Q, B, W, X, Y, and Z are defined below, are effective inhibitors of the production of A β .

DETAILED DESCRIPTION OF PREFERRED EMBODIMENTS

Thus, in a first embodiment, the present invention provides a novel compound of Formula (I):



(I)

or a pharmaceutically acceptable salt or prodrug thereof,
wherein:

5 Q is $-OR^1$ or $-NR^1R^2$;

R^1 , at each occurrence, is independently selected from:

H;

C_1-C_6 alkyl substituted with 0-3 R^{1a} ;

10 C_2-C_6 alkenyl substituted with 0-3 R^{1a} ;

C_3-C_{10} carbocycle substituted with 0-3 R^{1b} ;

C_6-C_{10} aryl substituted with 0-3 R^{1b} ; and

5 to 10 membered heterocycle substituted with 0-3 R^{1b} ;

15 R^{1a} , at each occurrence, is independently selected from H,
 C_1-C_6 alkyl, OR^{14} , Cl, F, Br, I, =O, CN, NO_2 , $NR^{15}R^{16}$,
 CF_3 ;

C_3-C_{10} carbocycle substituted with 0-3 R^{1b} ;

C_6-C_{10} aryl substituted with 0-3 R^{1b} ; and

20 5 to 6 membered heterocycle substituted with 0-3 R^{1b} ;

R^{1b} , at each occurrence, is independently selected from H,
OH, Cl, F, Br, I, CN, NO_2 , $NR^{15}R^{16}$, CF_3 , C_1-C_6 alkyl,
25 C_1-C_4 alkoxy, C_1-C_4 haloalkyl, and C_1-C_4 haloalkoxy;

R^2 is independently selected from H, NH_2 , OH, C_1-C_6 alkyl, C_1-C_6 alkoxy, phenoxy, benzyloxy, C_3-C_{10} carbocycle, C_6-C_{10} aryl and 5 to 10 membered heterocycle;

30 R^3 is $-(CR^7R^{7a})_n-R^4$,

$-(CR^7R^{7a})_n-S-(CR^7R^{7a})_m-R^4$,

$-(CR^7R^{7a})_n-O-(CR^7R^{7a})_m-R^4$,

$-(CR^7R^{7a})_n-N(R^{7b})-(CR^7R^{7a})_m-R^4$,

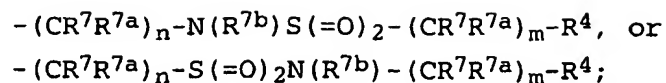
$-(CR^7R^{7a})_n-S(=O)-(CR^7R^{7a})_m-R^4$,

35 $-(CR^7R^{7a})_n-S(=O)_2-(CR^7R^{7a})_m-R^4$,

$-(CR^7R^{7a})_n-C(=O)-(CR^7R^{7a})_m-R^4$,

$-(CR^7R^{7a})_n-N(R^{7b})C(=O)-(CR^7R^{7a})_m-R^4$,

$-(CR^7R^{7a})_n-C(=O)N(R^{7b})-(CR^7R^{7a})_m-R^4$,



n is 0, 1, 2, or 3;

5

m is 0, 1, 2, or 3;

R^{3a} is H, OH, C₁-C₄ alkyl, C₁-C₄ alkoxy, or C₂-C₄ alkenyloxy;

10 R⁴ is H, OH, OR^{14a},

C₁-C₆ alkyl substituted with 0-3 R^{4a},

C₂-C₆ alkenyl substituted with 0-3 R^{4a},

C₂-C₆ alkynyl substituted with 0-3 R^{4a},

C₃-C₁₀ carbocycle substituted with 0-3 R^{4b},

15 C₆-C₁₀ aryl substituted with 0-3 R^{4b}, or

5 to 10 membered heterocycle substituted with 0-3 R^{4b};

R^{4a}, at each occurrence, is independently selected from is H,
F, Cl, Br, I, CF₃,

20 C₃-C₁₀ carbocycle substituted with 0-3 R^{4b},

C₆-C₁₀ aryl substituted with 0-3 R^{4b}, or

5 to 10 membered heterocycle substituted with 0-3 R^{4b};

R^{4b}, at each occurrence, is independently selected from H,

25 OH, Cl, F, Br, I, CN, NO₂, NR¹⁵R¹⁶, CF₃, acetyl, SCH₃,

S(=O)CH₃, S(=O)₂CH₃, C₁-C₆ alkyl, C₁-C₄ alkoxy, C₁-C₄
haloalkyl, C₁-C₄ haloalkoxy, and C₁-C₄ halothioalkoxy;

R⁵ is H, OR¹⁴;

30 C₁-C₆ alkyl substituted with 0-3 R^{5b};

C₁-C₆ alkoxy substituted with 0-3 R^{5b};

C₂-C₆ alkenyl substituted with 0-3 R^{5b};

C₂-C₆ alkynyl substituted with 0-3 R^{5b};

C₃-C₁₀ carbocycle substituted with 0-3 R^{5c};

35 C₆-C₁₀ aryl substituted with 0-3 R^{5c}; or

5 to 10 membered heterocycle substituted with 0-3 R^{5c};

R^{5a} is H, OH, C₁-C₄ alkyl, C₁-C₄ alkoxy, C₂-C₄ alkenyl, or C₂-C₄ alkenyloxy;

5 R^{5b}, at each occurrence, is independently selected from:
H, C₁-C₆ alkyl, CF₃, OR¹⁴, Cl, F, Br, I, =O, CN, NO₂,
NR¹⁵R¹⁶;
C₃-C₁₀ carbocycle substituted with 0-3 R^{5c};
C₆-C₁₀ aryl substituted with 0-3 R^{5c}; or
5 to 10 membered heterocycle substituted with 0-3 R^{5c};

10 R^{5c}, at each occurrence, is independently selected from H,
OH, Cl, F, Br, I, CN, NO₂, NR¹⁵R¹⁶, CF₃, acetyl, SCH₃,
S(=O)CH₃, S(=O)₂CH₃, C₁-C₆ alkyl, C₁-C₄ alkoxy, C₁-C₄
haloalkyl, C₁-C₄ haloalkoxy, and C₁-C₄ halothioalkoxy;

15 R⁶ is H;
C₁-C₆ alkyl substituted with 0-3 R^{6a};
C₃-C₁₀ carbocycle substituted with 0-3 R^{6b}; or
C₆-C₁₀ aryl substituted with 0-3 R^{6b};

20 R^{6a}, at each occurrence, is independently selected from H,
C₁-C₆ alkyl, OR¹⁴, Cl, F, Br, I, =O, CN, NO₂, NR¹⁵R¹⁶,
phenyl or CF₃;

25 R^{6b}, at each occurrence, is independently selected from H,
OH, Cl, F, Br, I, CN, NO₂, NR¹⁵R¹⁶, CF₃, C₁-C₆ alkyl,
C₁-C₄ alkoxy, C₁-C₄ haloalkyl, and C₁-C₄ haloalkoxy;

30 R⁷, at each occurrence, is independently selected from H, OH,
Cl, F, Br, I, CN, NO₂, CF₃, and C₁-C₄ alkyl;

R^{7a}, at each occurrence, is independently selected from H,
OH, Cl, F, Br, I, CN, NO₂, CF₃, aryl and C₁-C₄ alkyl;

35 R^{7b} is independently selected from H and C₁-C₄ alkyl;

W is -(CR⁸R^{8a})_p-;

p is 0, 1, 2, 3, or 4;

5 R^8 and R^{8a} , at each occurrence, are independently selected from H, F, C_1 - C_4 alkyl, C_2 - C_4 alkenyl, C_2 - C_4 alkynyl and C_3 - C_8 cycloalkyl;

X is a bond;

10 C_6 - C_{10} aryl substituted with 0-3 R^{Xb} ;
 C_3 - C_{10} carbocycle substituted with 0-3 R^{Xb} ; or
5 to 10 membered heterocycle substituted with 0-2 R^{Xb} ;

15 R^{Xb} , at each occurrence, is independently selected from H, OH, Cl, F, Br, I, CN, NO_2 , $NR^{15}R^{16}$, CF_3 , acetyl, SCH_3 , $S(=O)CH_3$, $S(=O)_2CH_3$, C_1 - C_6 alkyl, C_1 - C_4 alkoxy, C_1 - C_4 haloalkyl, C_1 - C_4 haloalkoxy, and C_1 - C_4 halothioalkoxy;

Y is a bond or $-(CR^9R^{9a})_t-V-(CR^9R^{9a})_u-$;

20 t is 0, 1, 2, or 3;

u is 0, 1, 2, or 3;

25 R^9 and R^{9a} , at each occurrence, are independently selected from H, F, C_1 - C_6 alkyl or C_3 - C_8 cycloalkyl;

V is a bond, $-C(=O)-$, $-O-$, $-S-$, $-S(=O)-$, $-S(=O)_2-$, $-N(R^{19})-$, $-C(=O)NR^{19b}-$, $-NR^{19b}C(=O)-$, $-NR^{19b}S(=O)_2-$, $-S(=O)_2NR^{19b}-$, $-NR^{19b}S(=O)-$, $-S(=O)NR^{19b}-$, $-C(=O)O-$, or $-OC(=O)-$;

30 Z is C_1 - C_4 alkyl substituted with 0-3 R^{12b} ;
 C_1 - C_3 alkyl substituted with 1-2 R^{12} ;
 C_6 - C_{10} aryl substituted with 0-4 R^{12b} ;
 C_3 - C_{10} carbocycle substituted with 0-4 R^{12b} ; or
5 to 10 membered heterocycle substituted with 0-3 R^{12b} ;

35 R^{12} is C_6 - C_{10} aryl substituted with 0-4 R^{12b} ;
 C_3 - C_{10} carbocycle substituted with 0-4 R^{12b} ; or
5 to 10 membered heterocycle substituted with 0-3 R^{12b} ;

R^{12b}, at each occurrence, is independently selected from H,
OH, Cl, F, Br, I, CN, NO₂, NR¹⁵R¹⁶, CF₃, acetyl, SCH₃,
S(=O)CH₃, S(=O)₂CH₃, C₁-C₆ alkyl, C₁-C₄ alkoxy, C₁-C₄
5 haloalkyl, C₁-C₄ haloalkoxy, and C₁-C₄ halothioalkoxy;

B is a 5 to 10 membered lactam,

wherein the lactam is saturated, partially saturated or
unsaturated;

10 wherein each additional lactam carbon is substituted
with 0-2 R¹¹; and,
optionally, the lactam contains a heteroatom selected
from -O-, -S-, -S(=O)-, -S(=O)₂-, and -N(R¹⁰)-;

15 R¹⁰ is H, C(=O)R¹⁷, C(=O)OR¹⁷, C(=O)NR¹⁸R¹⁹, S(=O)₂NR¹⁸R¹⁹,
S(=O)₂R¹⁷;
C₁-C₆ alkyl substituted with 0-2 R^{10a};
C₆-C₁₀ aryl substituted with 0-4 R^{10b};
C₃-C₁₀ carbocycle substituted with 0-3 R^{10b}; or
20 5 to 10 membered heterocycle optionally substituted with
0-3 R^{10b};

R^{10a}, at each occurrence, is independently selected from H,
C₁-C₆ alkyl, OR¹⁴, Cl, F, Br, I, =O, CN, NO₂, NR¹⁵R¹⁶,
25 CF₃, or aryl substituted with 0-4 R^{10b};

R^{10b}, at each occurrence, is independently selected from H,
OH, C₁-C₆ alkyl, C₁-C₄ alkoxy, Cl, F, Br, I, CN, NO₂,
NR¹⁵R¹⁶, CF₃, acetyl, SCH₃, S(=O)CH₃, S(=O)₂CH₃, C₁-C₆
30 alkyl, C₁-C₄ alkoxy, C₁-C₄ haloalkyl, C₁-C₄ haloalkoxy,
and C₁-C₄ halothioalkoxy;

R¹¹, at each occurrence, is independently selected from
C₁-C₄ alkoxy, Cl, F, Br, I, =O, CN, NO₂, NR¹⁸R¹⁹,
35 C(=O)R¹⁷, C(=O)OR¹⁷, C(=O)NR¹⁸R¹⁹, S(=O)₂NR¹⁸R¹⁹,
CF₃;
C₁-C₆ alkyl substituted with 0-1 R^{11a};
C₆-C₁₀ aryl substituted with 0-3 R^{11b};

C₃-C₁₀ carbocycle substituted with 0-3 R^{11b}; or
5 to 10 membered heterocycle substituted with 0-3 R^{11b};

alternatively, two R¹¹ substituents on the same or adjacent
5 carbon atoms may be combined to form a C₃-C₆ carbocycle
or a benzo fused radical;

R^{11a}, at each occurrence, is independently selected from H,
C₁-C₆ alkyl, OR¹⁴, Cl, F, Br, I, =O, CN, NO₂, NR¹⁵R¹⁶,
10 CF₃, or phenyl substituted with 0-3 R^{11b};

R^{11b}, at each occurrence, is independently selected from H,
OH, Cl, F, Br, I, CN, NO₂, NR¹⁵R¹⁶, CF₃, acetyl, SCH₃,
S(=O)CH₃, S(=O)₂CH₃, C₁-C₆ alkyl, C₁-C₄ alkoxy, C₁-C₄
15 haloalkyl, C₁-C₄ haloalkoxy, and C₁-C₄ halothioalkoxy;

R¹⁴, at each occurrence, is independently selected from H,
phenyl, benzyl, C₁-C₆ alkyl, or C₂-C₆ alkoxyalkyl;

20 R^{14a} is H, phenyl, benzyl, or C₁-C₄ alkyl;

R¹⁵, at each occurrence, is independently selected from H,
C₁-C₆ alkyl, benzyl, phenethyl, -C(=O)-(C₁-C₆ alkyl) and
-S(=O)₂-(C₁-C₆ alkyl);

25 R¹⁶, at each occurrence, is independently selected from H,
OH, C₁-C₆ alkyl, benzyl, phenethyl, -C(=O)-(C₁-C₆ alkyl)
and -S(=O)₂-(C₁-C₆ alkyl);

30 R¹⁷ is H, aryl, aryl-CH₂-, C₁-C₆ alkyl, or C₂-C₆ alkoxyalkyl;

R¹⁸, at each occurrence, is independently selected from H,
C₁-C₆ alkyl, benzyl, phenethyl, -C(=O)-(C₁-C₆ alkyl) and
-S(=O)₂-(C₁-C₆ alkyl); and

35 R¹⁹, at each occurrence, is independently selected from H,
OH, C₁-C₆ alkyl, phenyl, benzyl, phenethyl, -C(=O)-(C₁-
C₆ alkyl) and -S(=O)₂-(C₁-C₆ alkyl); and

R^{19b} is H, C₁-C₆ alkyl, C₃-C₈ cycloalkyl, phenyl, benzyl or phenethyl.

5 [2] In a preferred embodiment the present provides

Q is -NR¹R²;

R¹, at each occurrence, is independently selected from:

- 10 H;
C₁-C₆ alkyl substituted with 0-3 R^{1a};
C₂-C₆ alkenyl substituted with 0-3 R^{1a};

15 R^{1a}, at each occurrence, is independently selected from H,
OR¹⁴, F, =O, NR¹⁵R¹⁶, CF₃;
C₃-C₆ cycloalkyl substituted with 0-3 R^{1b};
phenyl substituted with 0-3 R^{1b}; and
5 to 6 membered heterocycle substituted with 0-3 R^{1b};

20 R^{1b}, at each occurrence, is independently selected from H,
OH, Cl, F, Br, I, CN, NO₂, NR¹⁵R¹⁶, CF₃, C₁-C₄ alkyl,
C₁-C₄ alkoxy, C₁-C₄ haloalkyl, and C₁-C₄ haloalkoxy;

25 R² is independently selected from H, NH₂, OH, C₁-C₆ alkyl, C₁-
C₆ alkoxy, phenoxy, and benzyloxy;

R³ is -(CR⁷R^{7a})_n-R⁴,
-(CR⁷R^{7a})_n-S-(CR⁷R^{7a})_m-R⁴,
-(CR⁷R^{7a})_n-O-(CR⁷R^{7a})_m-R⁴,
30 -(CR⁷R^{7a})_n-N(R^{7b})-(CR⁷R^{7a})_m-R⁴,
-(CR⁷R^{7a})_n-S(=O)-(CR⁷R^{7a})_m-R⁴,
-(CR⁷R^{7a})_n-S(=O)₂-(CR⁷R^{7a})_m-R⁴,
-(CR⁷R^{7a})_n-C(=O)-(CR⁷R^{7a})_m-R⁴,
-(CR⁷R^{7a})_n-NHC(=O)-(CR⁷R^{7a})_m-R⁴,
35 -(CR⁷R^{7a})_n-C(=O)NH-(CR⁷R^{7a})_m-R⁴,
-(CR⁷R^{7a})_n-NHS(=O)₂-(CR⁷R^{7a})_m-R⁴, or
-(CR⁷R^{7a})_n-S(=O)₂NH-(CR⁷R^{7a})_m-R⁴;

n is 0, 1, 2, or 3;

m is 0, 1, 2, or 3;

5 R^{3a} is H, OH, C₁-C₄ alkyl, C₁-C₄ alkoxy, or C₂-C₄ alkenyloxy;

R⁴ is H, OH, OR^{14a},

C₁-C₆ alkyl substituted with 0-3 R^{4a},

C₂-C₆ alkenyl substituted with 0-3 R^{4a},

10 C₂-C₆ alkynyl substituted with 0-3 R^{4a},

C₃-C₁₀ carbocycle substituted with 0-3 R^{4b},

C₆-C₁₀ aryl substituted with 0-3 R^{4b}, or

5 to 10 membered heterocycle substituted with 0-3 R^{4b};

15 R^{4a}, at each occurrence, is independently selected from is H,
F, Cl, Br, I, CF₃,

C₃-C₁₀ carbocycle substituted with 0-3 R^{4b},

C₆-C₁₀ aryl substituted with 0-3 R^{4b}, or

5 to 10 membered heterocycle substituted with 0-3 R^{4b};

20

R^{4b}, at each occurrence, is independently selected from H,

OH, Cl, F, Br, I, CN, NO₂, NR¹⁵R¹⁶, CF₃, acetyl, SCH₃,

S(=O)CH₃, S(=O)₂CH₃, C₁-C₆ alkyl, C₁-C₄ alkoxy, C₁-C₄

haloalkyl, and C₁-C₄ haloalkoxy;

25

R⁵ is H, OR¹⁴;

C₁-C₆ alkyl substituted with 0-3 R^{5b};

C₁-C₆ alkoxy substituted with 0-3 R^{5b};

C₂-C₆ alkenyl substituted with 0-3 R^{5b};

30 C₂-C₆ alkynyl substituted with 0-3 R^{5b};

C₃-C₁₀ carbocycle substituted with 0-3 R^{5c};

C₆-C₁₀ aryl substituted with 0-3 R^{5c}; or

5 to 10 membered heterocycle substituted with 0-3 R^{5c};

35 R^{5a} is H, OH, C₁-C₄ alkyl, C₁-C₄ alkoxy, C₂-C₄ alkenyl, or C₂-
C₄ alkenyloxy;

R^{5b}, at each occurrence, is independently selected from:

H, C₁-C₆ alkyl, CF₃, OR¹⁴, Cl, F, Br, I, =O, CN, NO₂,
NR¹⁵R¹⁶;

C₃-C₁₀ carbocycle substituted with 0-3 R^{5c};

C₆-C₁₀ aryl substituted with 0-3 R^{5c}; or

5 5 to 10 membered heterocycle substituted with 0-3 R^{5c};

R^{5c}, at each occurrence, is independently selected from H,

OH, Cl, F, Br, I, CN, NO₂, NR¹⁵R¹⁶, CF₃, acetyl, SCH₃,

10 S(=O)CH₃, S(=O)₂CH₃, C₁-C₆ alkyl, C₁-C₄ alkoxy, C₁-C₄
haloalkyl, and C₁-C₄ haloalkoxy;

R⁶ is H;

C₁-C₆ alkyl substituted with 0-3 R^{6a};

C₃-C₆ carbocycle substituted with 0-3 R^{6b}; or

15 C₆-C₁₀ aryl substituted with 0-3 R^{6b};

R^{6a}, at each occurrence, is independently selected from H,

C₁-C₆ alkyl, OR¹⁴, Cl, F, Br, I, =O, CN, NO₂, NR¹⁵R¹⁶,
phenyl or CF₃;

20

R^{6b}, at each occurrence, is independently selected from H,

OH, Cl, F, Br, I, CN, NO₂, NR¹⁵R¹⁶, CF₃, C₁-C₆ alkyl,

C₁-C₄ alkoxy, C₁-C₄ haloalkyl, and C₁-C₄ haloalkoxy;

25 R⁷, at each occurrence, is independently selected from H, OH,
Cl, F, Br, I, CN, NO₂, CF₃, and C₁-C₄ alkyl;

R^{7a}, at each occurrence, is independently selected from H,

OH, Cl, F, Br, I, CN, NO₂, CF₃, aryl and C₁-C₄ alkyl;

30

R^{7b} is independently selected from H and C₁-C₄ alkyl;

W is -(CR⁸R^{8a})_p-;

35 p is 0, 1, 2, 3, or 4;

R⁸ and R^{8a}, at each occurrence, are independently selected from H, F, C₁-C₄ alkyl, C₂-C₄ alkenyl, C₂-C₄ alkynyl and C₃-C₈ cycloalkyl;

5 X is a bond;

C₆-C₁₀ aryl substituted with 0-3 R^{Xb};

C₃-C₁₀ carbocycle substituted with 0-3 R^{Xb}; or

5 to 10 membered heterocycle substituted with 0-2 R^{Xb};

10 R^{Xb}, at each occurrence, is independently selected from H, OH, Cl, F, Br, I, CN, NO₂, NR¹⁵R¹⁶, CF₃, acetyl, SCH₃, S(=O)CH₃, S(=O)₂CH₃, C₁-C₆ alkyl, C₁-C₄ alkoxy, C₁-C₄ haloalkyl, and C₁-C₄ haloalkoxy;

15 Y is a bond or -(CR⁹R^{9a})_t-V-(CR⁹R^{9a})_u-;

t is 0, 1, 2, or 3;

u is 0, 1, 2, or 3;

20

R⁹ and R^{9a}, at each occurrence, are independently selected from H, F, C₁-C₆ alkyl or C₃-C₈ cycloalkyl;

25 V is a bond, -C(=O)-, -O-, -S-, -S(=O)-, -S(=O)₂-, -N(R¹⁹)-, -C(=O)NR^{19b}-, -NR^{19b}C(=O)-, -NR^{19b}S(=O)₂-, -S(=O)₂NR^{19b}-, -NR^{19b}S(=O)-, -S(=O)NR^{19b}-, -C(=O)O-, or -OC(=O)-;

Z is C₁-C₃ alkyl substituted with 1-2 R¹²;

C₆-C₁₀ aryl substituted with 0-4 R^{12b};

30 C₃-C₁₀ carbocycle substituted with 0-4 R^{12b}; or

5 to 10 membered heterocycle substituted with 0-3 R^{12b};

R¹² is C₆-C₁₀ aryl substituted with 0-4 R^{12b};

C₃-C₁₀ carbocycle substituted with 0-4 R^{12b}; or

35 5 to 10 membered heterocycle substituted with 0-3 R^{12b};

R^{12b}, at each occurrence, is independently selected from H, OH, Cl, F, Br, I, CN, NO₂, NR¹⁵R¹⁶, CF₃, acetyl, SCH₃,

S(=O)CH₃, S(=O)₂CH₃, C₁-C₆ alkyl, C₁-C₄ alkoxy, C₁-C₄ haloalkyl, and C₁-C₄ haloalkoxy;

B is a 6, 7, or 8 membered lactam,

5 wherein the lactam is saturated, partially saturated or unsaturated;

 wherein each additional lactam carbon is substituted with 0-2 R¹¹; and,

10 optionally, the lactam contains a heteroatom selected from -O-, -S-, -S(=O)-, -S(=O)₂-, and -N(R¹⁰)-;

R¹⁰ is H, C(=O)R¹⁷, C(=O)OR¹⁷, C(=O)NR¹⁸R¹⁹, S(=O)₂NR¹⁸R¹⁹, S(=O)₂R¹⁷;

C₁-C₆ alkyl substituted with 0-1 R^{10a};

15 C₆-C₁₀ aryl substituted with 0-4 R^{10b};

C₃-C₁₀ carbocycle substituted with 0-3 R^{10b}; or

5 to 10 membered heterocycle optionally substituted with 0-3 R^{10b};

20 R^{10a}, at each occurrence, is independently selected from H, C₁-C₆ alkyl, OR¹⁴, Cl, F, Br, I, =O, CN, NO₂, NR¹⁵R¹⁶, CF₃, or phenyl substituted with 0-4 R^{10b};

25 R^{10b}, at each occurrence, is independently selected from H, OH, C₁-C₆ alkyl, C₁-C₄ alkoxy, Cl, F, Br, I, CN, NO₂, NR¹⁵R¹⁶, or CF₃;

R¹¹, at each occurrence, is independently selected from

C₁-C₄ alkoxy, Cl, F, Br, I, =O, CN, NO₂, NR¹⁸R¹⁹,

30 C(=O)R¹⁷, C(=O)OR¹⁷, C(=O)NR¹⁸R¹⁹, S(=O)₂NR¹⁸R¹⁹, CF₃;

C₁-C₆ alkyl substituted with 0-1 R^{11a};

C₆-C₁₀ aryl substituted with 0-3 R^{11b};

C₃-C₁₀ carbocycle substituted with 0-3 R^{11b}; or

35 5 to 10 membered heterocycle substituted with 0-3 R^{11b};

alternatively, two R¹¹ substituents on the same or adjacent carbon atoms may be combined to form a C₃-C₆ carbocycle or a benzo fused radical;

5 R^{11a}, at each occurrence, is independently selected from H, C₁-C₆ alkyl, OR¹⁴, Cl, F, Br, I, =O, CN, NO₂, NR¹⁵R¹⁶, CF₃, or phenyl substituted with 0-3 R^{11b};

10 R^{11b}, at each occurrence, is independently selected from H, OH, Cl, F, Br, I, CN, NO₂, NR¹⁵R¹⁶, CF₃, C₁-C₆ alkyl, C₁-C₄ alkoxy, C₁-C₄ haloalkyl, and C₁-C₄ haloalkoxy;

R¹⁴ is H, phenyl, benzyl, C₁-C₆ alkyl, or C₂-C₆ alkoxyalkyl;

15 R¹⁵, at each occurrence, is independently selected from H, C₁-C₆ alkyl, benzyl, phenethyl, -C(=O)-(C₁-C₆ alkyl) and -S(=O)₂-(C₁-C₆ alkyl);

20 R¹⁶, at each occurrence, is independently selected from H, OH, C₁-C₆ alkyl, benzyl, phenethyl, -C(=O)-(C₁-C₆ alkyl) and -S(=O)₂-(C₁-C₆ alkyl);

R¹⁷ is H, aryl, (aryl)CH₂-, C₁-C₆ alkyl, or C₂-C₆ alkoxyalkyl;

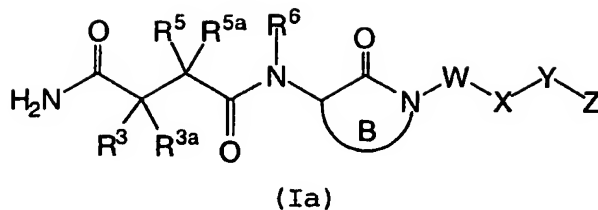
25 R¹⁸, at each occurrence, is independently selected from H, C₁-C₆ alkyl, benzyl, phenethyl, -C(=O)-(C₁-C₆ alkyl) and -S(=O)₂-(C₁-C₆ alkyl); and

30 R¹⁹, at each occurrence, is independently selected from H, OH, C₁-C₆ alkyl, phenyl, benzyl, phenethyl, -C(=O)-(C₁-C₆ alkyl) and -S(=O)₂-(C₁-C₆ alkyl); and

R^{19b} is H, C₁-C₆ alkyl, C₃-C₈ cycloalkyl, phenyl, benzyl or phenethyl.

35

[3] In a further preferred embodiment the present invention provides



or a pharmaceutically acceptable salt or prodrug thereof,
 5 wherein:

R^3 is $-(CR^7R^{7a})_n-R^4$,
 $-(CR^7R^{7a})_n-S-(CR^7R^{7a})_m-R^4$,
 $-(CR^7R^{7a})_n-O-(CR^7R^{7a})_m-R^4$, or
 10 $-(CR^7R^{7a})_n-N(R^{7b})-(CR^7R^{7a})_m-R^4$;

n is 0, 1, or 2;

m is 0, 1, or 2;

15 R^{3a} is H, OH, methyl, ethyl, propyl, butyl, methoxy, ethoxy,
 propoxy, or butoxy;

R^4 is H, OH, OR^{14a},

20 C₁-C₄ alkyl substituted with 0-2 R^{4a},
 C₂-C₄ alkenyl substituted with 0-2 R^{4a},
 C₂-C₄ alkynyl substituted with 0-2 R^{4a},
 C₃-C₆ cycloalkyl substituted with 0-3 R^{4b},
 C₆-C₁₀ aryl substituted with 0-3 R^{4b}, or
 25 5 to 10 membered heterocycle substituted with 0-3 R^{4b};

R^{4a} , at each occurrence, is independently selected from is H,
 F, Cl, Br, I, CF₃,

30 C₃-C₁₀ carbocycle substituted with 0-3 R^{4b},
 C₆-C₁₀ aryl substituted with 0-3 R^{4b}, or
 5 to 10 membered heterocycle substituted with 0-3 R^{4b};

R^{4b} , at each occurrence, is independently selected from H,
 OH, Cl, F, Br, I, CN, NO₂, NR¹⁵R¹⁶, CF₃, acetyl, SCH₃,

$S(=O)CH_3$, $S(=O)_2CH_3$, C_1-C_6 alkyl, C_1-C_4 alkoxy, C_1-C_4 haloalkyl, and C_1-C_4 haloalkoxy;

R^5 is H, OR^{14} ;

- 5 C_1-C_6 alkyl substituted with 0-3 R^{5b} ;
 C_2-C_6 alkenyl substituted with 0-3 R^{5b} ;
 C_2-C_6 alkynyl substituted with 0-3 R^{5b} ;
 C_3-C_{10} carbocycle substituted with 0-3 R^{5c} ;
 C_6-C_{10} aryl substituted with 0-3 R^{5c} ; or
10 5 to 10 membered heterocycle substituted with 0-3 R^{5c} ;

R^{5a} is H, OH, C_1-C_4 alkyl, C_1-C_4 alkoxy, C_2-C_4 alkenyl, or C_2-C_4 alkenyloxy;

- 15 R^{5b} , at each occurrence, is independently selected from:
H, C_1-C_6 alkyl, CF_3 , OR^{14} , Cl, F, Br, I, =O, CN, NO_2 ,
 $NR^{15}R^{16}$;
 C_3-C_{10} carbocycle substituted with 0-3 R^{5c} ;
 C_6-C_{10} aryl substituted with 0-3 R^{5c} ; or
20 5 to 10 membered heterocycle substituted with 0-3 R^{5c} ;

- R^{5c} , at each occurrence, is independently selected from H,
OH, Cl, F, Br, I, CN, NO_2 , $NR^{15}R^{16}$, CF_3 , acetyl, SCH_3 ,
 $S(=O)CH_3$, $S(=O)_2CH_3$, C_1-C_6 alkyl, C_1-C_4 alkoxy, C_1-C_4
25 haloalkyl, and C_1-C_4 haloalkoxy;

R^6 is H, methyl, or ethyl;

- R^7 , at each occurrence, is independently selected from H, OH,
30 Cl, F, Br, I, CN, NO_2 , CF_3 , and C_1-C_4 alkyl;

R^{7a} , at each occurrence, is independently selected from H,
OH, Cl, F, Br, I, CN, NO_2 , CF_3 , phenyl and C_1-C_4 alkyl;

- 35 R^{7b} is independently selected from H, methyl, ethyl, propyl,
and butyl;

W is $-(CR^8R^{8a})_p-$;

p is 0, 1, or 2;

5 R^8 and R^{8a} , at each occurrence, are independently selected from H, F, C_1 - C_3 alkyl, C_2 - C_3 alkenyl, C_2 - C_3 alkynyl and C_3 - C_6 cycloalkyl;

X is a bond;

10 C_6 - C_{10} aryl substituted with 0-3 R^{Xb} ;
 C_3 - C_{10} carbocycle substituted with 0-2 R^{Xb} ; or
5 to 10 membered heterocycle substituted with 0-2 R^{Xb} ;

15 R^{Xb} , at each occurrence, is independently selected from H, OH, Cl, F, Br, I, CN, NO_2 , $NR^{15}R^{16}$, CF_3 , acetyl, SCH_3 , $S(=O)CH_3$, $S(=O)_2CH_3$, C_1 - C_6 alkyl, C_1 - C_4 alkoxy, C_1 - C_4 haloalkyl, and C_1 - C_4 haloalkoxy;

Y is a bond or $-(CR^9R^{9a})_t-V-(CR^9R^{9a})_u-$;

20 t is 0, 1, or 2;

u is 0, 1, or 2;

25 R^9 and R^{9a} , at each occurrence, are independently selected from H, F, C_1 - C_4 alkyl or C_3 - C_6 cycloalkyl;

V is a bond, $-C(=O)-$, $-O-$, $-S-$, $-S(=O)-$, $-S(=O)_2-$, $-N(R^{19})-$, $-C(=O)NR^{19b}-$, $-NR^{19b}C(=O)-$, $-NR^{19b}S(=O)_2-$, $-S(=O)_2NR^{19b}-$, $-NR^{19b}S(=O)-$, or $-S(=O)NR^{19b}-$;

30

Z is C_1 - C_3 alkyl substituted with 1-2 R^{12} ;
 C_6 - C_{10} aryl substituted with 0-4 R^{12b} ;
 C_3 - C_{10} carbocycle substituted with 0-4 R^{12b} ; or
5 to 10 membered heterocycle substituted with 0-3 R^{12b} ;

35

R^{12} is C_6 - C_{10} aryl substituted with 0-4 R^{12b} ;
 C_3 - C_{10} carbocycle substituted with 0-4 R^{12b} ; or
5 to 10 membered heterocycle substituted with 0-3 R^{12b} ;

R^{12b}, at each occurrence, is independently selected from H,
OH, Cl, F, Br, I, CN, NO₂, NR¹⁵R¹⁶, CF₃, acetyl, SCH₃,
S(=O)CH₃, S(=O)₂CH₃, C₁-C₆ alkyl, C₁-C₄ alkoxy, C₁-C₄
5 haloalkyl, and C₁-C₄ haloalkoxy;

B is a seven membered lactam,
wherein the lactam is saturated, partially saturated or
unsaturated;
10 wherein each additional lactam carbon is substituted
with 0-2 R¹¹; and,
optionally, the lactam contains a heteroatom selected
from -O-, -S-, -S(=O)-, -S(=O)₂-, and -N(R¹⁰)-;
15 R¹⁰ is H, C(=O)R¹⁷, C(=O)OR¹⁷, C(=O)NR¹⁸R¹⁹, S(=O)₂NR¹⁸R¹⁹,
S(=O)₂R¹⁷;
C₁-C₆ alkyl substituted with 0-1 R^{10a};
C₆-C₁₀ aryl substituted with 0-4 R^{10b};
C₃-C₁₀ carbocycle substituted with 0-3 R^{10b}; or
20 5 to 10 membered heterocycle optionally substituted with
0-3 R^{10b};

R^{10a}, at each occurrence, is independently selected from H,
C₁-C₆ alkyl, OR¹⁴, Cl, F, Br, I, =O, CN, NO₂, NR¹⁵R¹⁶,
25 CF₃, or phenyl substituted with 0-4 R^{10b};

R^{10b}, at each occurrence, is independently selected from H,
OH, C₁-C₆ alkyl, C₁-C₄ alkoxy, Cl, F, Br, I, CN, NO₂,
NR¹⁵R¹⁶, or CF₃;

30

R¹¹, at each occurrence, is independently selected from
C₁-C₄ alkoxy, Cl, F, =O, NR¹⁸R¹⁹, C(=O)R¹⁷, C(=O)OR¹⁷,
C(=O)NR¹⁸R¹⁹, S(=O)₂NR¹⁸R¹⁹, CF₃;
C₁-C₆ alkyl substituted with 0-1 R^{11a};
35 C₆-C₁₀ aryl substituted with 0-3 R^{11b};
C₃-C₁₀ carbocycle substituted with 0-3 R^{11b}; or
5 to 10 membered heterocycle substituted with 0-3 R^{11b};

alternatively, two R¹¹ substituents on the same or adjacent carbon atoms may be combined to form a C₃-C₆ carbocycle or a benzo fused radical;

- 5 R^{11a}, at each occurrence, is independently selected from H, C₁-C₆ alkyl, OR¹⁴, Cl, F, Br, I, =O, CN, NO₂, NR¹⁵R¹⁶, CF₃, or phenyl substituted with 0-3 R^{11b};
- 10 R^{11b}, at each occurrence, is independently selected from H, OH, Cl, F, Br, I, CN, NO₂, NR¹⁵R¹⁶, CF₃, C₁-C₆ alkyl, C₁-C₄ alkoxy, C₁-C₄ haloalkyl, and C₁-C₄ haloalkoxy;
- R¹⁴ is H, phenyl, benzyl, C₁-C₆ alkyl, or C₂-C₆ alkoxyalkyl;
- 15 R¹⁵, at each occurrence, is independently selected from H, C₁-C₆ alkyl, benzyl, phenethyl, -C(=O)-(C₁-C₆ alkyl) and -S(=O)₂-(C₁-C₆ alkyl);
- 20 R¹⁶, at each occurrence, is independently selected from H, OH, C₁-C₆ alkyl, benzyl, phenethyl, -C(=O)-(C₁-C₆ alkyl) and -S(=O)₂-(C₁-C₆ alkyl);
- R¹⁷ is H, aryl, (aryl)CH₂-, C₁-C₆ alkyl, or C₂-C₆ alkoxyalkyl;
- 25 R¹⁸, at each occurrence, is independently selected from H, C₁-C₆ alkyl, benzyl, phenethyl, -C(=O)-(C₁-C₆ alkyl) and -S(=O)₂-(C₁-C₆ alkyl); and
- 30 R¹⁹, at each occurrence, is independently selected from H, OH, C₁-C₆ alkyl, phenyl, benzyl, phenethyl, -C(=O)-(C₁-C₆ alkyl) and -S(=O)₂-(C₁-C₆ alkyl); and
- R^{19b} is H, C₁-C₆ alkyl, C₃-C₈ cycloalkyl, phenyl, benzyl or phenethyl.

35

[4] In a further preferred embodiment the present invention provides

R^3 is $-(CR^7R^{7a})_n-R^4$,
 $-(CR^7R^{7a})_n-S-(CR^7R^{7a})_m-R^4$,
 $-(CR^7R^{7a})_n-O-(CR^7R^{7a})_m-R^4$, or
 $-(CR^7R^{7a})_n-N(R^{7b})-(CR^7R^{7a})_m-R^4$;

5

n is 0 or 1;

m is 0 or 1;

10 R^{3a} is H, OH, methyl, ethyl, propyl, butyl, methoxy, ethoxy, propoxy, or butoxy;

R^4 is H, OH,

C_1 - C_4 alkyl substituted with 0-2 R^{4a} ,
15 C_2 - C_4 alkenyl substituted with 0-2 R^{4a} ,
 C_2 - C_4 alkynyl substituted with 0-1 R^{4a} ,
 C_3 - C_6 cycloalkyl substituted with 0-3 R^{4b} ,
 C_6 - C_{10} aryl substituted with 0-3 R^{4b} , or
 5 to 10 membered heterocycle substituted with 0-3 R^{4b} ;

20

R^{4a} , at each occurrence, is independently selected from is H,
 F, Cl, CF_3 ,

C_3 - C_6 cycloalkyl substituted with 0-3 R^{4b} ,
 phenyl substituted with 0-3 R^{4b} , or
25 5 to 6 membered heterocycle substituted with 0-3 R^{4b} ;

R^{4b} , at each occurrence, is independently selected from H,
 OH, Cl, F, Br, I, CN, NO_2 , $NR^{15}R^{16}$, CF_3 , acetyl, SCH_3 ,
 $S(=O)CH_3$, $S(=O)_2CH_3$, C_1 - C_4 alkyl, C_1 - C_3 alkoxy, C_1 - C_2
30 haloalkyl, and C_1 - C_2 haloalkoxy;

R^5 is H, OR^{14} ;

C_1 - C_4 alkyl substituted with 0-3 R^{5b} ;
 C_2 - C_4 alkenyl substituted with 0-2 R^{5b} ; or
35 C_2 - C_4 alkynyl substituted with 0-2 R^{5b} ;

R^{5a} is H, OH, methyl, ethyl, propyl, butyl, methoxy, ethoxy,
 propoxy, butoxy, or allyl;

R^{5b}, at each occurrence, is independently selected from:

H, methyl, ethyl, propyl, butyl, CF₃, OR¹⁴, =O;

C₃-C₆ cycloalkyl substituted with 0-2 R^{5c};

5 phenyl substituted with 0-3 R^{5c}; or

5 to 6 membered heterocycle substituted with 0-2 R^{5c};

R^{5c}, at each occurrence, is independently selected from H,

OH, Cl, F, Br, I, CN, NO₂, NR¹⁵R¹⁶, CF₃, acetyl, SCH₃,

10 S(=O)CH₃, S(=O)₂CH₃, C₁-C₄ alkyl, C₁-C₃ alkoxy, C₁-C₂
haloalkyl, and C₁-C₂ haloalkoxy;

R⁶ is H;

15 R⁷, at each occurrence, is independently selected from H, F,
CF₃, methyl, and ethyl;

R^{7a}, at each occurrence, is independently selected from H, F,
CF₃, methyl, and ethyl;

20

R^{7b} is independently selected from H, methyl, and ethyl;

W is a bond, -CH₂-, -CH(CH₃)-, -CH₂CH₂- or -CH(CH₃)CH₂-;

25 X is a bond;

phenyl substituted with 0-2 R^{Xb};

C₃-C₆ cycloalkyl substituted with 0-2 R^{Xb}; or

5 to 6 membered heterocycle substituted with 0-2 R^{Xb};

30 R^{Xb}, at each occurrence, is independently selected from H,
OH, Cl, F, NR¹⁵R¹⁶, CF₃, acetyl, SCH₃, S(=O)CH₃,
S(=O)₂CH₃, C₁-C₄ alkyl, C₁-C₃ alkoxy, C₁-C₂ haloalkyl,
and C₁-C₂ haloalkoxy;

35 Y is a bond, -CH₂-V-, -V-, or -V-CH₂-;

V is a bond, -C(=O)-, -O-, -S-, -S(=O)-, -S(=O)₂-, -NH-,
-N(CH₃)-, or -N(CH₂CH₃)-,

Z is C₁-C₂ alkyl substituted with 1-2 R¹²;
C₆-C₁₀ aryl substituted with 0-4 R^{12b};
C₃-C₆ carbocycle substituted with 0-3 R^{12b}; or
5 5 to 10 membered heterocycle substituted with 0-3 R^{12b};

R¹² is C₆-C₁₀ aryl substituted with 0-4 R^{12b};
C₃-C₆ carbocycle substituted with 0-3 R^{12b}; or
10 5 to 10 membered heterocycle substituted with 0-3 R^{12b};

R^{12b}, at each occurrence, is independently selected from H,
OH, Cl, F, NR¹⁵R¹⁶, CF₃, acetyl, SCH₃, S(=O)CH₃,
S(=O)₂CH₃, C₁-C₄ alkyl, C₁-C₃ alkoxy, C₁-C₂ haloalkyl,
and C₁-C₂ haloalkoxy;

15 B is a seven membered lactam,
wherein the lactam is saturated, partially saturated or
unsaturated;
wherein each additional lactam carbon is substituted
20 with 0-2 R¹¹; and,
optionally, the lactam contains a heteroatom selected
from -O-, -S-, -S(=O)-, -S(=O)₂-, and -N(R¹⁰)-;

R¹⁰ is H, C(=O)R¹⁷, C(=O)OR¹⁷;
25 C₁-C₄ alkyl substituted with 0-1 R^{10a};
phenyl substituted with 0-4 R^{10b};
C₃-C₆ carbocycle substituted with 0-3 R^{10b}; or
5 to 6 membered heterocycle optionally substituted with
0-3 R^{10b};

30 R^{10a}, at each occurrence, is independently selected from H,
C₁-C₄ alkyl, OR¹⁴, Cl, F, Br, I, =O, CN, NO₂, NR¹⁵R¹⁶,
CF₃, or phenyl substituted with 0-4 R^{10b};

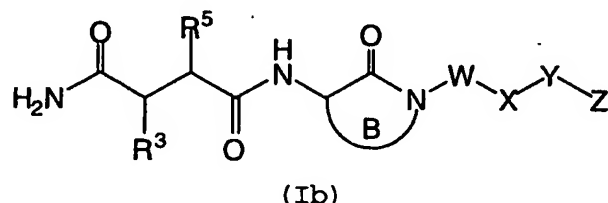
35 R^{10b}, at each occurrence, is independently selected from H,
OH, C₁-C₄ alkyl, C₁-C₃ alkoxy, Cl, F, Br, I, CN, NO₂,
NR¹⁵R¹⁶, or CF₃;

- R¹¹, at each occurrence, is independently selected from
C₁-C₄ alkoxy, Cl, F, =O, NR¹⁸R¹⁹, C(=O)R¹⁷, C(=O)OR¹⁷,
CF₃;
C₁-C₄ alkyl substituted with 0-1 R^{11a};
5 phenyl substituted with 0-3 R^{11b};
C₃-C₆ carbocycle substituted with 0-3 R^{11b}; or
5 to 6 membered heterocycle substituted with 0-3 R^{11b};
- alternatively, two R¹¹ substituents on the same or adjacent
10 carbon atoms may be combined to form a cyclopropyl,
cyclobutyl, cyclopentyl, cyclohexyl, or a benzo fused
radical;
- R^{11a}, at each occurrence, is independently selected from H,
15 C₁-C₄ alkyl, OR¹⁴, F, =O, NR¹⁵R¹⁶, CF₃, or phenyl
substituted with 0-3 R^{11b};
- R^{11b}, at each occurrence, is independently selected from H,
OH, Cl, F, NR¹⁵R¹⁶, CF₃, C₁-C₄ alkyl, C₁-C₃ alkoxy, C₁-C₂
20 haloalkyl, and C₁-C₂ haloalkoxy;
- R¹⁴ is H, phenyl, benzyl, C₁-C₄ alkyl, or C₂-C₄ alkoxyalkyl;
- R¹⁵, at each occurrence, is independently selected from H,
25 C₁-C₄ alkyl, benzyl, phenethyl, -C(=O)-(C₁-C₄ alkyl) and
-S(=O)₂-(C₁-C₄ alkyl);
- R¹⁶, at each occurrence, is independently selected from H,
OH, C₁-C₄ alkyl, benzyl, phenethyl, -C(=O)-(C₁-C₄ alkyl)
30 and -S(=O)₂-(C₁-C₄ alkyl);
- R¹⁷ is H, phenyl, 4-fluorophenyl, 4-chlorophenyl, 4-
methylphenyl, 4-trifluorophenyl, (4-fluorophenyl)methyl,
(4-chlorophenyl)methyl, (4-methylphenyl)methyl, (4-
35 trifluorophenyl)methyl, methyl, ethyl, propyl, butyl,
methoxymethyl, methoxyethyl, ethoxymethyl, or
ethoxyethyl;

R^{18} , at each occurrence, is independently selected from H, methyl, ethyl, propyl, butyl, phenyl, benzyl, and phenethyl; and

5 R^{19} , at each occurrence, is independently selected from H, methyl, and ethyl.

[5] In a more preferred embodiment the present invention provides



or a pharmaceutically acceptable salt or prodrug thereof,
15 wherein:

R^3 is -CH₃, -CH₂CH₃, -CH₂CH₂CH₃, -CH₂CH₂CH₂CH₃,
-CH₂(CH₃)₂, -CH(CH₃)CH₂CH₃, -CH₂CH(CH₃)₂, -CH₂C(CH₃)₃,
-CF₃, -CH₂CF₃, -CH₂CH₂CF₃, -CH₂CH₂CH₂CF₃,
20 -CH=CH₂, -CH₂CH=CH₂, -CH₂C(CH₃)=CH₂, -CH₂CH=C(CH₃)₂,
-CH₂CH₂CH=CH₂, -CH₂CH₂C(CH₃)=CH₂, -CH₂CH₂CH=C(CH₃)₂,
cis-CH₂CH=CH(CH₃), cis-CH₂CH₂CH=CH(CH₃), trans-
CH₂CH=CH(CH₃), trans-CH₂CH₂CH=CH(CH₃);
-C≡CH, -CH₂C≡CH, -CH₂C≡C(CH₃),
25 cyclopropyl-CH₂-, cyclobutyl-CH₂-, cyclopentyl-CH₂-,
cyclohexyl-CH₂-, cyclopropyl-CH₂CH₂-, cyclobutyl-
CH₂CH₂-, cyclopentyl-CH₂CH₂-, cyclohexyl-CH₂CH₂-,
phenyl-CH₂-,
(2-F-phenyl)CH₂-, (3-F-phenyl)CH₂-, (4-F-phenyl)CH₂-,
30 (2-Cl-phenyl)CH₂-, (3-Cl-phenyl)CH₂-, (4-Cl-
phenyl)CH₂-,
(2,3-diF-phenyl)CH₂-, (2,4-diF-phenyl)CH₂-,
(2,5-diF-phenyl)CH₂-, (2,6-diF-phenyl)CH₂-,
(3,4-diF-phenyl)CH₂-, (3,5-diF-phenyl)CH₂-,
35 (2,3-diCl-phenyl)CH₂-, (2,4-diCl-phenyl)CH₂-,

- (2,5-diCl-phenyl)CH₂-, (2,6-diCl-phenyl)CH₂-,
 (3,4-diCl-phenyl)CH₂-, (3,5-diCl-phenyl)CH₂-,
 (3-F-4-Cl-phenyl)CH₂-, (3-F-5-Cl-phenyl)CH₂-,
 (3-Cl-4-F-phenyl)CH₂-,
 5 phenyl-CH₂CH₂-,
 (2-F-phenyl)CH₂CH₂-, (3-F-phenyl)CH₂CH₂-,
 (4-F-phenyl)CH₂CH₂-, (2-Cl-phenyl)CH₂CH₂-,
 (3-Cl-phenyl)CH₂CH₂-, (4-Cl-phenyl)CH₂CH₂-,
 (2,3-diF-phenyl)CH₂CH₂-, (2,4-diF-phenyl)CH₂CH₂-,
 10 (2,5-diF-phenyl)CH₂CH₂-, (2,6-diF-phenyl)CH₂CH₂-,
 (3,4-diF-phenyl)CH₂CH₂-, (3,5-diF-phenyl)CH₂CH₂-,
 (2,3-diCl-phenyl)CH₂CH₂-, (2,4-diCl-phenyl)CH₂CH₂-,
 (2,5-diCl-phenyl)CH₂CH₂-, (2,6-diCl-phenyl)CH₂CH₂-,
 (3,4-diCl-phenyl)CH₂CH₂-, (3,5-diCl-phenyl)CH₂CH₂-,
 15 (3-F-4-Cl-phenyl)CH₂CH₂-, (3-F-5-Cl-phenyl)CH₂CH₂-, or
- R⁵ is -CH₃, -CH₂CH₃, -CH₂CH₂CH₃, -CH₂(CH₃)₂, -CH₂CH₂CH₂CH₃,
 -CH(CH₃)CH₂CH₃, -CH₂CH(CH₃)₂, -CH₂C(CH₃)₃,
 -CH₂CH₂CH₂CH₂CH₃, -CH(CH₃)CH₂CH₂CH₃, -CH₂CH(CH₃)CH₂CH₃,
 20 -CH₂CH₂CH(CH₃)₂, -CH(CH₂CH₃)₂, -CF₃, -CH₂CF₃, -CH₂CH₂CF₃,
 -CH₂CH₂CH₂CF₃, -CH₂CH₂CH₂CH₂CF₃, -CH=CH₂, -CH₂CH=CH₂,
 -CH=CHCH₃, cis-CH₂CH=CH(CH₃), trans-CH₂CH=CH(CH₃),
 trans-CH₂CH=CH(C₆H₅), -CH₂CH=C(CH₃)₂, cis-CH₂CH=CHCH₂CH₃,
 trans-CH₂CH=CHCH₂CH₃, cis-CH₂CH₂CH=CH(CH₃), trans-
 25 CH₂CH₂CH=CH(CH₃), trans-CH₂CH=CHCH₂(C₆H₅),
 -C≡CH, -CH₂C≡CH, -CH₂C≡C(CH₃), -CH₂C≡C(C₆H₅)
 -CH₂CH₂C≡CH, -CH₂CH₂C≡C(CH₃), -CH₂CH₂C≡C(C₆H₅)
 -CH₂CH₂CH₂C≡CH, -CH₂CH₂CH₂C≡C(CH₃), -CH₂CH₂CH₂C≡C(C₆H₅)
 cyclopropyl-CH₂-, cyclobutyl-CH₂-, cyclopentyl-CH₂-,
 30 cyclohexyl-CH₂-, (2-CH₃-cyclopropyl)CH₂-,
 (3-CH₃-cyclobutyl)CH₂-,
 cyclopropyl-CH₂CH₂-, cyclobutyl-CH₂CH₂-,
 cyclopentyl-CH₂CH₂-, cyclohexyl-CH₂CH₂-,
 (2-CH₃-cyclopropyl)CH₂CH₂-, (3-CH₃-cyclobutyl)CH₂CH₂-,
 35 phenyl-CH₂-, (2-F-phenyl)CH₂-, (3-F-phenyl)CH₂-,
 (4-F-phenyl)CH₂-, furanyl-CH₂-, thienyl-CH₂-,
 pyridyl-CH₂-, 1-imidazolyl-CH₂-, oxazolyl-CH₂-,
 isoxazolyl-CH₂-,

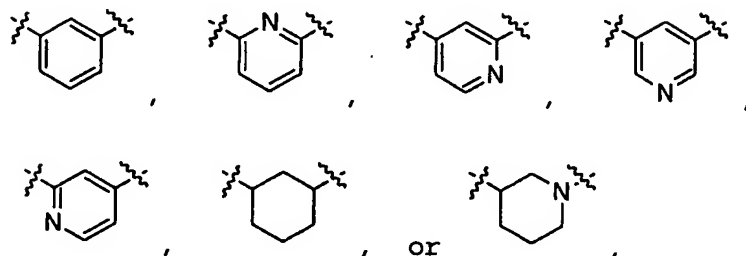
phenyl-CH₂CH₂-, (2-F-phenyl)CH₂CH₂-, (3-F-phenyl)CH₂CH₂-,
 (4-F-phenyl)CH₂CH₂-, furanyl-CH₂CH₂-, thienyl-CH₂CH₂-,
 pyridyl-CH₂CH₂-, 1-imidazolyl-CH₂CH₂-, oxazolyl-CH₂CH₂-,
 isoxazolyl-CH₂CH₂-,

5

W is a bond, -CH₂-, or -CH(CH₃)-;

X is a bond;

10



Y is a bond, -CH₂-V-, -V-, or -V-CH₂-;

15

V is a bond, -C(=O)-, -O-, -S-, -S(=O)-, -S(=O)₂-, -NH-, or
 -N(CH₃)-,

20

Z is phenyl 2-F-phenyl, 3-F-phenyl, 4-F-phenyl, 2-Cl-phenyl,
 3-Cl-phenyl, 4-Cl-phenyl, 2,3-diF-phenyl,
 2,4-diF-phenyl, 2,5-diF-phenyl, 2,6-diF-phenyl,
 3,4-diF-phenyl, 3,5-diF-phenyl, 2,3-diCl-phenyl,
 2,4-diCl-phenyl, 2,5-diCl-phenyl, 2,6-diCl-phenyl,
 3,4-diCl-phenyl, 3,5-diCl-phenyl, 3-F-4-Cl-phenyl,
 3-F-5-Cl-phenyl, 3-Cl-4-F-phenyl, 2-MeO-phenyl,
 3-MeO-phenyl, 4-MeO-phenyl, 2-Me-phenyl, 3-Me-phenyl,
 4-Me-phenyl, 2-MeS-phenyl, 3-MeS-phenyl, 4-MeS-phenyl,
 2-CF₃O-phenyl, 3-CF₃O-phenyl, 4-CF₃O-phenyl,
 furanyl, thienyl, pyridyl, 2-Me-pyridyl, 3-Me-
 pyridyl,

30

4-Me-pyridyl, 1-imidazolyl, oxazolyl, isoxazolyl,
 1-benzimidazolyl, cyclopropyl, cyclobutyl, cyclopentyl,
 cyclohexyl, morpholino, N-piperinyl,
 phenyl-CH₂-, (2-F-phenyl)CH₂-, (3-F-phenyl)CH₂-,

- (4-F-phenyl)CH₂-, (2-Cl-phenyl)CH₂-, (3-Cl-phenyl)CH₂-,
 (4-Cl-phenyl)CH₂-, (2,3-diF-phenyl)CH₂-,
 (2,4-diF-phenyl)CH₂-, (2,5-diF-phenyl)CH₂-,
 (2,6-diF-phenyl)CH₂-, (3,4-diF-phenyl)CH₂-,
 5 (3,5-diF-phenyl)CH₂-, (2,3-diCl-phenyl)CH₂-,
 (2,4-diCl-phenyl)CH₂-, (2,5-diCl-phenyl)CH₂-,
 (2,6-diCl-phenyl)CH₂-, (3,4-diCl-phenyl)CH₂-,
 (3,5-diCl-phenyl)CH₂-, (3-F-4-Cl-phenyl)CH₂-,
 (3-F-5-Cl-phenyl)CH₂-, (3-Cl-4-F-phenyl)CH₂-,
 10 (2-MeO-phenyl)CH₂-, (3-MeO-phenyl)CH₂-,
 (4-MeO-phenyl)CH₂-, (2-Me-phenyl)CH₂-,
 (3-Me-phenyl)CH₂-, (4-Me-phenyl)CH₂-,
 (2-MeS-phenyl)CH₂-, (3-MeS-phenyl)CH₂-,
 4-MeS-phenyl)CH₂-, (2-CF₃O-phenyl)CH₂-,
 15 (3-CF₃O-phenyl)CH₂-, (4-CF₃O-phenyl)CH₂-,
 (furanyl)CH₂-, (thienyl)CH₂-, (pyridyl)CH₂-,
 (2-Me-pyridyl)CH₂-, (3-Me-pyridyl)CH₂-,
 (4-Me-pyridyl)CH₂-, (1-imidazolyl)CH₂-,
 (oxazolyl)CH₂-, (isoxazolyl)CH₂-,
 20 (1-benzimidazolyl)CH₂-, (cyclopropyl)CH₂-,
 (cyclobutyl)CH₂-, (cyclopentyl)CH₂-,
 (cyclohexyl)CH₂-, (morpholino)CH₂-, (N-pipridinyl)CH₂-,
 phenyl-CH₂CH₂-, (phenyl)₂CHCH₂-, (2-F-phenyl)CH₂CH₂-,
 25 (3-F-phenyl)CH₂CH₂-, (4-F-phenyl)CH₂CH₂-,
 (2-Cl-phenyl)CH₂CH₂-, (3-Cl-phenyl)CH₂CH₂-,
 (4-Cl-phenyl)CH₂CH₂-, (2,3-diF-phenyl)CH₂CH₂-,
 (2,4-diF-phenyl)CH₂CH₂-, (2,5-diF-phenyl)CH₂CH₂-,
 (2,6-diF-phenyl)CH₂CH₂-, (3,4-diF-phenyl)CH₂CH₂-,
 30 (3,5-diF-phenyl)CH₂CH₂-, (2,3-diCl-phenyl)CH₂CH₂-,
 (2,4-diCl-phenyl)CH₂CH₂-, (2,5-diCl-phenyl)CH₂CH₂-,
 (2,6-diCl-phenyl)CH₂CH₂-, (3,4-diCl-phenyl)CH₂CH₂-,
 (3,5-diCl-phenyl)CH₂CH₂-, (3-F-4-Cl-phenyl)CH₂CH₂-,
 (3-F-5-Cl-phenyl)CH₂CH₂-, (3-Cl-4-F-phenyl)CH₂CH₂-,
 35 (2-MeO-phenyl)CH₂CH₂-, (3-MeO-phenyl)CH₂CH₂-,
 (4-MeO-phenyl)CH₂CH₂-, (2-Me-phenyl)CH₂CH₂-,
 (3-Me-phenyl)CH₂CH₂-, (4-Me-phenyl)CH₂CH₂-,
 (2-MeS-phenyl)CH₂CH₂-, (3-MeS-phenyl)CH₂CH₂-,

(4-MeS-phenyl)CH₂CH₂-, (2-CF₃O-phenyl)CH₂CH₂-,
(3-CF₃O-phenyl)CH₂CH₂-, (4-CF₃O-phenyl)CH₂CH₂-,
(furanyl)CH₂CH₂-, (thienyl)CH₂CH₂-, (pyridyl)CH₂CH₂-
5 (2-Me-pyridyl)CH₂CH₂-, (3-Me-pyridyl)CH₂CH₂-,
(4-Me-pyridyl)CH₂CH₂-, (imidazolyl)CH₂CH₂-,
(oxazolyl)CH₂CH₂-, (isoxazolyl)CH₂CH₂-,
(benzimidazolyl)CH₂CH₂-, (cyclopropyl)CH₂CH₂-,
(cyclobutyl)CH₂CH₂-, (cyclopentyl)CH₂CH₂-,
10 (cyclohexyl)CH₂CH₂-, (morpholino)CH₂CH₂-,
(N-pipridinyl)CH₂CH₂-,

B is a seven membered lactam,
wherein the lactam is saturated, partially saturated or
15 unsaturated;
wherein each additional lactam carbon is substituted
with 0-2 R¹¹; and,
optionally, the lactam contains a heteroatom selected
from -O-, -S-, -S(=O)-, -S(=O)₂-, and -N(R¹⁰)-;

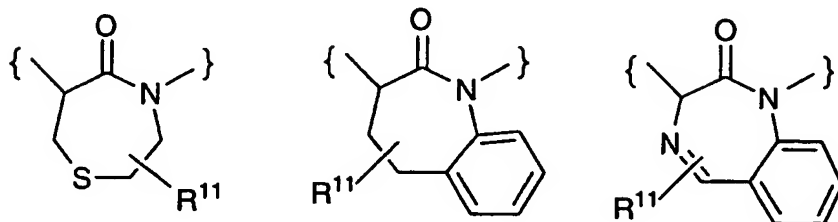
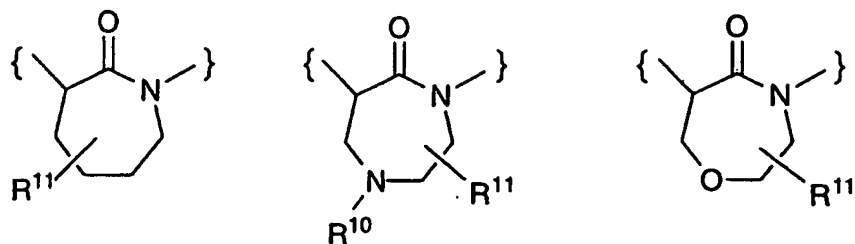
20 R¹⁰ is H, methyl, ethyl, phenyl, benzyl, phenethyl, 4-F-
phenyl, (4-F-phenyl)CH₂-, (4-F-phenyl)CH₂CH₂-, 4-Cl-
phenyl, (4-Cl-phenyl)CH₂-, (4-Cl-phenyl)CH₂CH₂-, 4-CH₃-
phenyl, (4-CH₃-phenyl)CH₂-, (4-CH₃-phenyl)CH₂CH₂-, 4-CF₃-
25 phenyl, (4-CF₃-phenyl)CH₂-, or (4-CF₃-phenyl)CH₂CH₂-;

R¹¹, at each occurrence, is independently selected from H,
=O, methyl, ethyl, phenyl, benzyl, phenethyl, 4-F-
phenyl, (4-F-phenyl)CH₂-, (4-F-phenyl)CH₂CH₂-, 4-Cl-
30 phenyl, (4-Cl-phenyl)CH₂-, (4-Cl-phenyl)CH₂CH₂-, 4-CH₃-
phenyl, (4-CH₃-phenyl)CH₂-, (4-CH₃-phenyl)CH₂CH₂-, 4-CF₃-
phenyl, (4-CF₃-phenyl)CH₂-, or (4-CF₃-phenyl)CH₂CH₂-;
and

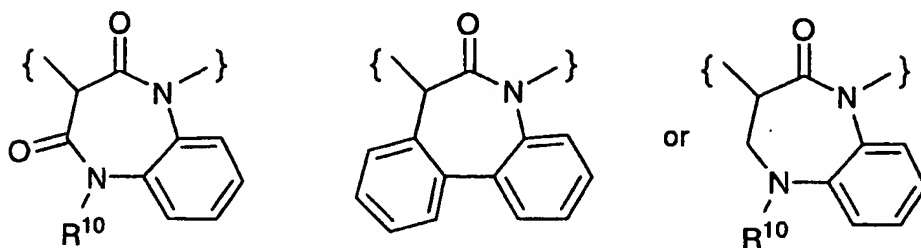
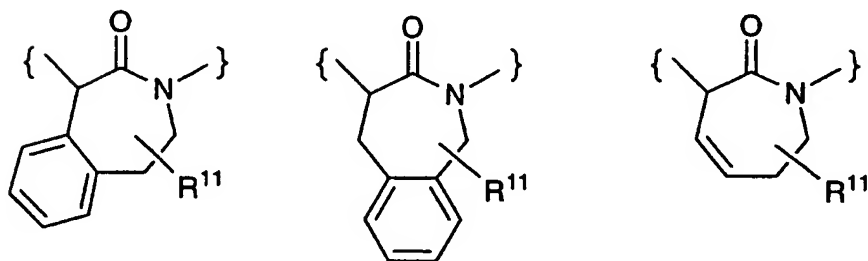
35 alternatively, two R¹¹ substituents on the same or adjacent
carbon atoms may be combined to form a cyclopropyl,
cyclobutyl, cyclopentyl, cyclohexyl, or a benzo fused
radical.

[6] In a further more preferred embodiment the present invention provides

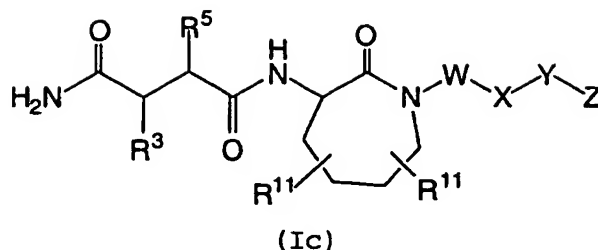
5 B is



10



15 [7] In an even more preferred embodiment the present invention provides



or a pharmaceutically acceptable salt or prodrug thereof,
 5 wherein:

R^3 is R^4 ,

R^4 is C_1 - C_4 alkyl substituted with 0-2 R^{4a} ,
 10 C_2 - C_4 alkenyl substituted with 0-2 R^{4a} ,
 C_2 - C_4 alkynyl substituted with 0-2 R^{4a} ,

R^{4a} , at each occurrence, is independently selected from is H,
 F, CF_3 ,
 15 C_3 - C_6 cycloalkyl substituted with 0-3 R^{4b} ,
 phenyl substituted with 0-3 R^{4b} , or
 5 to 6 membered heterocycle substituted with 0-3 R^{4b} ;

R^{4b} , at each occurrence, is independently selected from H,
 20 OH, Cl, F, $NR^{15}R^{16}$, CF_3 , acetyl, SCH_3 , $S(=O)CH_3$,
 $S(=O)_2CH_3$, methyl, ethyl, propyl, butyl, methoxy,
 ethoxy, propoxy, C_1 - C_2 haloalkyl, and C_1 - C_2 haloalkoxy;

R^5 is C_1 - C_4 alkyl substituted with 0-3 R^{5b} ,
 25 C_2 - C_4 alkenyl substituted with 0-2 R^{5b} ; or
 C_2 - C_4 alkynyl substituted with 0-2 R^{5b} ;

R^{5b} , at each occurrence, is independently selected from:
 H, methyl, ethyl, propyl, butyl, CF_3 , OR^{14} , =O;
 30 C_3 - C_6 cycloalkyl substituted with 0-2 R^{5c} ;
 phenyl substituted with 0-3 R^{5c} ; or
 5 to 6 membered heterocycle substituted with 0-2 R^{5c} ;

R^{5c}, at each occurrence, is independently selected from H,
OH, Cl, F, NR¹⁵R¹⁶, CF₃, acetyl, SCH₃, S(=O)CH₃,
S(=O)₂CH₃, methyl, ethyl, propyl, butyl, methoxy,
ethoxy, propoxy, C₁-C₂ haloalkyl, and C₁-C₂ haloalkoxy;

5

W is -CH₂-, or -CH(CH₃)-;

X is a bond;

phenyl substituted with 0-2 R^{Xb};

10

C₃-C₆ cycloalkyl substituted with 0-2 R^{Xb}; or

5 to 6 membered heterocycle substituted with 0-2 R^{Xb};

R^{Xb}, at each occurrence, is independently selected from H,
OH, Cl, F, NR¹⁵R¹⁶, CF₃, acetyl, SCH₃, S(=O)CH₃,

15

S(=O)₂CH₃, methyl, ethyl, propyl, butyl, methoxy,
ethoxy, propoxy, C₁-C₂ haloalkyl, and C₁-C₂ haloalkoxy;

Y is a bond, -CH₂-V-, -V-, or -V-CH₂-;

20 V is a bond, -C(=O)-, -O-, -S-, -S(=O)-, -S(=O)₂-, -NH-,
-N(CH₃)-, or -N(CH₂CH₃)-,

Z is C₁-C₂ alkyl substituted with 1-2 R¹²;

C₆-C₁₀ aryl substituted with 0-4 R^{12b};

25

C₃-C₆ carbocycle substituted with 0-3 R^{12b}; or

5 to 10 membered heterocycle substituted with 0-3 R^{12b};

R¹² is C₆-C₁₀ aryl substituted with 0-4 R^{12b};

C₃-C₆ carbocycle substituted with 0-3 R^{12b}; or

30

5 to 10 membered heterocycle substituted with 0-3 R^{12b};

R^{12b}, at each occurrence, is independently selected from H,
OH, Cl, F, NR¹⁵R¹⁶, CF₃, acetyl, SCH₃, S(=O)CH₃,

35

S(=O)₂CH₃, methyl, ethyl, propyl, butyl, methoxy,
ethoxy, propoxy, C₁-C₂ haloalkyl, and C₁-C₂ haloalkoxy;

R¹¹ is methoxy, ethoxy, propoxy, butoxy, Cl, F, =O, NR¹⁸R¹⁹,
CF₃;

C₁-C₄ alkyl substituted with 0-1 R^{11a};
phenyl substituted with 0-3 R^{11b};
C₃-C₆ carbocycle substituted with 0-3 R^{11b}; or
5 5 to 6 membered heterocycle substituted with 0-3 R^{11b};

alternatively, two R¹¹ substituents on the same or adjacent
carbon atoms may be combined to form a cyclopropyl,
cyclobutyl, cyclopentyl, cyclohexyl; or a benzo fused
radical;

10

R^{11a}, at each occurrence, is independently selected from H,
C₁-C₄ alkyl, OR¹⁴, F, =O, NR¹⁵R¹⁶, CF₃, or phenyl
substituted with 0-3 R^{11b};

15 R^{11b}, at each occurrence, is independently selected from H,
OH, Cl, F, NR¹⁵R¹⁶, CF₃, methyl, ethyl, propyl, butyl,
methoxy, ethoxy, propoxy, C₁-C₂ haloalkyl, and C₁-C₂
haloalkoxy;

20 R¹⁴ is H, phenyl, benzyl, methyl, ethyl, propyl, butyl;

R¹⁵, at each occurrence, is independently selected from H,
methyl, ethyl, propyl, and butyl;

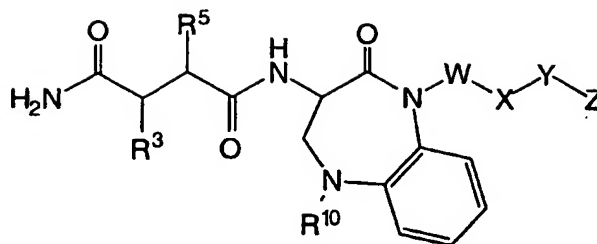
25 R¹⁶, at each occurrence, is independently selected from H,
OH, C₁-C₄ alkyl, benzyl, phenethyl, -C(=O)-(C₁-C₄ alkyl)
and -S(=O)₂-(C₁-C₄ alkyl);

30 R¹⁸, at each occurrence, is independently selected from H,
methyl, ethyl, propyl, butyl, phenyl, benzyl, and
phenethyl; and

R¹⁹, at each occurrence, is independently selected from H,
methyl, and ethyl.

35

[8] In another even more preferred embodiment the
present invention provides



(Id)

or a pharmaceutically acceptable salt or prodrug thereof,

5 wherein:

R^3 is R^4 ,

R^4 is C_1 - C_4 alkyl substituted with 0-2 R^{4a} ,

10 C_2 - C_4 alkenyl substituted with 0-2 R^{4a} ,

C_2 - C_4 alkynyl substituted with 0-2 R^{4a} ,

R^{4a} , at each occurrence, is independently selected from is H,
F, CF_3 ,

15 C_3 - C_6 cycloalkyl substituted with 0-3 R^{4b} ,

phenyl substituted with 0-3 R^{4b} , or

5 to 6 membered heterocycle substituted with 0-3 R^{4b} ;

R^{4b} , at each occurrence, is independently selected from H,

20 OH, Cl, F, $NR^{15}R^{16}$, CF_3 , acetyl, SCH_3 , $S(=O)CH_3$,

$S(=O)_2CH_3$, methyl, ethyl, propyl, butyl, methoxy,

ethoxy, propoxy, C_1 - C_2 haloalkyl, and C_1 - C_2 haloalkoxy;

R^5 is C_1 - C_4 alkyl substituted with 0-3 R^{5b} ;

25 C_2 - C_4 alkenyl substituted with 0-2 R^{5b} ; or

C_2 - C_4 alkynyl substituted with 0-2 R^{5b} ;

R^{5b} , at each occurrence, is independently selected from:

H, methyl, ethyl, propyl, butyl, CF_3 , OR^{14} , =O;

30 C_3 - C_6 cycloalkyl substituted with 0-2 R^{5c} ;

phenyl substituted with 0-3 R^{5c} ; or

5 to 6 membered heterocycle substituted with 0-2 R^{5c} ;

R^{5c}, at each occurrence, is independently selected from H,
OH, Cl, F, NR¹⁵R¹⁶, CF₃, acetyl, SCH₃, S(=O)CH₃,
S(=O)₂CH₃, methyl, ethyl, propyl, butyl, methoxy,
ethoxy, propoxy, C₁-C₂ haloalkyl, and C₁-C₂ haloalkoxy;

5

W is -CH₂-, or -CH(CH₃)-;

X is a bond;

phenyl substituted with 0-2 R^{Xb};

10

C₃-C₆ cycloalkyl substituted with 0-2 R^{Xb}; or

5 to 6 membered heterocycle substituted with 0-2 R^{Xb};

R^{Xb}, at each occurrence, is independently selected from H,
OH, Cl, F, NR¹⁵R¹⁶, CF₃, acetyl, SCH₃, S(=O)CH₃,

15

S(=O)₂CH₃, methyl, ethyl, propyl, butyl, methoxy,
ethoxy, propoxy, C₁-C₂ haloalkyl, and C₁-C₂ haloalkoxy;

Y is a bond, -CH₂-V-, -V-, or -V-CH₂-;

20 V is a bond, -C(=O)-, -O-, -S-, -S(=O)-, -S(=O)₂-, -NH-,
-N(CH₃)-, or -N(CH₂CH₃)-;

Z is C₁-C₂ alkyl substituted with 1-2 R¹²;

C₆-C₁₀ aryl substituted with 0-4 R^{12b};

25

C₃-C₆ carbocycle substituted with 0-3 R^{12b}; or

5 to 10 membered heterocycle substituted with 0-3 R^{12b};

R¹² is C₆-C₁₀ aryl substituted with 0-4 R^{12b};

C₃-C₆ carbocycle substituted with 0-3 R^{12b}; or

30

5 to 10 membered heterocycle substituted with 0-3 R^{12b};

R^{12b}, at each occurrence, is independently selected from H,
OH, Cl, F, NR¹⁵R¹⁶, CF₃, acetyl, SCH₃, S(=O)CH₃,

35

S(=O)₂CH₃, methyl, ethyl, propyl, butyl, methoxy,
ethoxy, propoxy, C₁-C₂ haloalkyl, and C₁-C₂ haloalkoxy;

R¹⁰ is H, C(=O)R¹⁷, C(=O)OR¹⁷;

C₁-C₄ alkyl substituted with 0-1 R^{10a};

phenyl substituted with 0-4 R^{10b};
 C₃-C₆ carbocycle substituted with 0-3 R^{10b}; or
 5 to 6 membered heterocycle optionally substituted with
 0-3 R^{10b};

5

R^{10a}, at each occurrence, is independently selected from H,
 C₁-C₄ alkyl, OR¹⁴, Cl, F, Br, I, =O, CN, NO₂, NR¹⁵R¹⁶,
 CF₃, or phenyl substituted with 0-4 R^{10b};

10 R^{10b}, at each occurrence, is independently selected from H,
 OH, methyl, ethyl, propyl, butyl, methoxy, ethoxy,
 propoxy, Cl, F, Br, I, CN, NO₂, NR¹⁵R¹⁶, or CF₃;

R¹⁴ is H, phenyl, benzyl, methyl, ethyl, propyl, butyl;

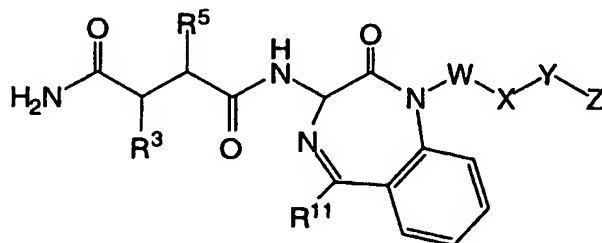
15

R¹⁵, at each occurrence, is independently selected from H,
 methyl, ethyl, propyl, and butyl;

20 R¹⁶, at each occurrence, is independently selected from H,
 OH, C₁-C₄ alkyl, benzyl, phenethyl, -C(=O)-(C₁-C₄ alkyl)
 and -S(=O)₂-(C₁-C₄ alkyl); and

25 R¹⁷ is H, phenyl, 4-fluorophenyl, 4-chlorophenyl, 4-
 methylphenyl, 4-trifluorophenyl, (4-fluorophenyl)methyl,
 (4-chlorophenyl)methyl, (4-methylphenyl)methyl, (4-
 trifluorophenyl)methyl, methyl, ethyl, propyl, butyl,
 methoxymethyl, methoxyethyl, ethoxymethyl, or
 ethoxyethyl.

30 [9] In another even more preferred embodiment the
 present invention provides



(Ie)

or a pharmaceutically acceptable salt or prodrug thereof,
wherein:

5

R³ is R⁴,

R⁴ is C₁-C₄ alkyl substituted with 0-2 R^{4a},
C₂-C₄ alkenyl substituted with 0-2 R^{4a},
10 C₂-C₄ alkynyl substituted with 0-2 R^{4a},

R^{4a}, at each occurrence, is independently selected from is H,
F, CF₃,
C₃-C₆ cycloalkyl substituted with 0-3 R^{4b},
15 phenyl substituted with 0-3 R^{4b}, or
5 to 6 membered heterocycle substituted with 0-3 R^{4b};

R^{4b}, at each occurrence, is independently selected from H,
OH, Cl, F, NR¹⁵R¹⁶, CF₃, acetyl, SCH₃, S(=O)CH₃,
20 S(=O)₂CH₃, methyl, ethyl, propyl, butyl, methoxy,
ethoxy, propoxy, C₁-C₂ haloalkyl, and C₁-C₂ haloalkoxy;

R⁵ is C₁-C₄ alkyl substituted with 0-3 R^{5b};
C₂-C₄ alkenyl substituted with 0-2 R^{5b}; or
25 C₂-C₄ alkynyl substituted with 0-2 R^{5b};

R^{5b}, at each occurrence, is independently selected from:
H, methyl, ethyl, propyl, butyl, CF₃, OR¹⁴, =O;
C₃-C₆ cycloalkyl substituted with 0-2 R^{5c};
30 phenyl substituted with 0-3 R^{5c}; or
5 to 6 membered heterocycle substituted with 0-2 R^{5c};

R^{5c}, at each occurrence, is independently selected from H,
OH, Cl, F, NR¹⁵R¹⁶, CF₃, acetyl, SCH₃, S(=O)CH₃,
35 S(=O)₂CH₃, methyl, ethyl, propyl, butyl, methoxy,
ethoxy, propoxy, C₁-C₂ haloalkyl, and C₁-C₂ haloalkoxy;

W is -CH₂-, or -CH(CH₃)-;

X is a bond;

phenyl substituted with 0-2 R^{Xb};

C₃-C₆ cycloalkyl substituted with 0-2 R^{Xb}; or

5 5 to 6 membered heterocycle substituted with 0-2 R^{Xb};

R^{Xb}, at each occurrence, is independently selected from H,

OH, Cl, F, NR¹⁵R¹⁶, CF₃, acetyl, SCH₃, S(=O)CH₃,

10 S(=O)₂CH₃, methyl, ethyl, propyl, butyl, methoxy,
ethoxy, propoxy, C₁-C₂ haloalkyl, and C₁-C₂ haloalkoxy;

Y is a bond, -CH₂-V-, -V-, or -V-CH₂-;

V is a bond, -C(=O)-, -O-, -S-, -S(=O)-, -S(=O)₂-, -NH-,

15 -N(CH₃)-, or -N(CH₂CH₃)-,

Z is C₁-C₂ alkyl substituted with 1-2 R¹²;

C₆-C₁₀ aryl substituted with 0-4 R^{12b};

C₃-C₆ carbocycle substituted with 0-3 R^{12b}; or

20 5 to 10 membered heterocycle substituted with 0-3 R^{12b};

R¹² is C₆-C₁₀ aryl substituted with 0-4 R^{12b};

C₃-C₆ carbocycle substituted with 0-3 R^{12b}; or

25 5 to 10 membered heterocycle substituted with 0-3 R^{12b};

R^{12b}, at each occurrence, is independently selected from H,

OH, Cl, F, NR¹⁵R¹⁶, CF₃, acetyl, SCH₃, S(=O)CH₃,

S(=O)₂CH₃, methyl, ethyl, propyl, butyl, methoxy,

30 ethoxy, propoxy, C₁-C₂ haloalkyl, and C₁-C₂ haloalkoxy;

R¹¹ is methoxy, ethoxy, propoxy, butoxy, Cl, F, =O, NR¹⁸R¹⁹,
CF₃;

C₁-C₄ alkyl substituted with 0-1 R^{11a};

phenyl substituted with 0-3 R^{11b};

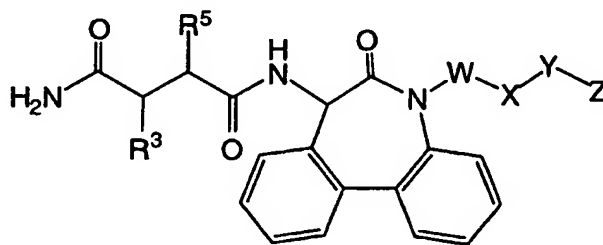
35 C₃-C₆ carbocycle substituted with 0-3 R^{11b}; or

5 to 6 membered heterocycle substituted with 0-3 R^{11b};

- R^{11a} , at each occurrence, is independently selected from H, C₁-C₄ alkyl, OR¹⁴, F, =O, NR¹⁵R¹⁶, CF₃, or phenyl substituted with 0-3 R^{11b};
- 5 R^{11b} , at each occurrence, is independently selected from H, OH, Cl, F, NR¹⁵R¹⁶, CF₃, methyl, ethyl, propyl, butyl, methoxy, ethoxy, propoxy, C₁-C₂ haloalkyl, and C₁-C₂ haloalkoxy;
- 10 R^{14} is H, phenyl, benzyl, methyl, ethyl, propyl, butyl;
- R^{15} , at each occurrence, is independently selected from H, methyl, ethyl, propyl, and butyl;
- 15 R^{16} , at each occurrence, is independently selected from H, OH, C₁-C₄ alkyl, benzyl, phenethyl, -C(=O)-(C₁-C₄ alkyl) and -S(=O)₂-(C₁-C₄ alkyl);
- 20 R^{18} , at each occurrence, is independently selected from H, methyl, ethyl, propyl, butyl, phenyl, benzyl, and phenethyl; and
- R^{19} , at each occurrence, is independently selected from H, methyl, and ethyl.

25

[10] In another even more preferred embodiment the present invention provides



30

(If)

or a pharmaceutically acceptable salt or prodrug thereof, wherein:

R³ is R⁴,

5 R⁴ is C₁-C₄ alkyl substituted with 0-2 R^{4a},
C₂-C₄ alkenyl substituted with 0-2 R^{4a},
C₂-C₄ alkynyl substituted with 0-1 R^{4a},

R^{4a}, at each occurrence, is independently selected from is H,
F, CF₃,
10 C₃-C₆ cycloalkyl substituted with 0-3 R^{4b},
phenyl substituted with 0-3 R^{4b}, or
5 to 6 membered heterocycle substituted with 0-3 R^{4b};

R^{4b}, at each occurrence, is independently selected from H,
15 OH, Cl, F, NR¹⁵R¹⁶, CF₃, acetyl, SCH₃, S(=O)CH₃,
S(=O)₂CH₃, methyl, ethyl, propyl, butyl, methoxy,
ethoxy, propoxy, C₁-C₂ haloalkyl, and C₁-C₂ haloalkoxy;

R⁵ is C₁-C₄ alkyl substituted with 0-3 R^{5b};
20 C₂-C₄ alkenyl substituted with 0-2 R^{5b}; or
C₂-C₄ alkynyl substituted with 0-2 R^{5b};

R^{5b}, at each occurrence, is independently selected from:
H, methyl, ethyl, propyl, butyl, CF₃, OR¹⁴, =O;
25 C₃-C₆ cycloalkyl substituted with 0-2 R^{5c};
phenyl substituted with 0-3 R^{5c}; or
5 to 6 membered heterocycle substituted with 0-2 R^{5c};

R^{5c}, at each occurrence, is independently selected from H,
30 OH, Cl, F, NR¹⁵R¹⁶, CF₃, acetyl, SCH₃, S(=O)CH₃,
S(=O)₂CH₃, methyl, ethyl, propyl, butyl, methoxy,
ethoxy, propoxy, C₁-C₂ haloalkyl, and C₁-C₂ haloalkoxy;

W is -CH₂-, or -CH(CH₃)-;
35

X is a bond;
phenyl substituted with 0-2 R^{Xb};
C₃-C₆ cycloalkyl substituted with 0-2 R^{Xb}; or

5 to 6 membered heterocycle substituted with 0-2 R^{Xb};

R^{Xb}, at each occurrence, is independently selected from H,
OH, Cl, F, NR¹⁵R¹⁶, CF₃, acetyl, SCH₃, S(=O)CH₃,
5 S(=O)₂CH₃, methyl, ethyl, propyl, butyl, methoxy,
ethoxy, propoxy, C₁-C₂ haloalkyl, and C₁-C₂ haloalkoxy;

Y is a bond, -CH₂-V-, -V-, or -V-CH₂-;

10 V is a bond, -C(=O)-, -O-, -S-, -S(=O)-, -S(=O)₂-, -NH-,
-N(CH₃)-, or -N(CH₂CH₃)-,

Z is C₁-C₂ alkyl substituted with 1-2 R¹²;

C₆-C₁₀ aryl substituted with 0-4 R^{12b};

15 C₃-C₆ carbocycle substituted with 0-3 R^{12b}; or
5 to 10 membered heterocycle substituted with 0-3 R^{12b};

R¹² is C₆-C₁₀ aryl substituted with 0-4 R^{12b};

C₃-C₆ carbocycle substituted with 0-3 R^{12b}; or

20 5 to 10 membered heterocycle substituted with 0-3 R^{12b};

R^{12b}, at each occurrence, is independently selected from H,
OH, Cl, F, NR¹⁵R¹⁶, CF₃, acetyl, SCH₃, S(=O)CH₃,

25 S(=O)₂CH₃, methyl, ethyl, propyl, butyl, methoxy,
ethoxy, propoxy, C₁-C₂ haloalkyl, and C₁-C₂ haloalkoxy;

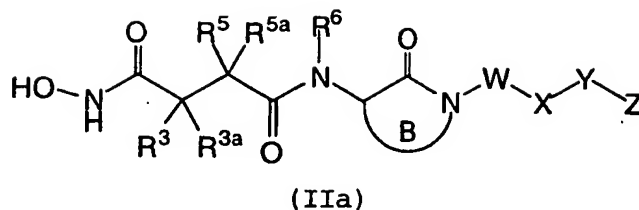
R¹⁴ is H, phenyl, benzyl, methyl, ethyl, propyl, butyl;

30 R¹⁵, at each occurrence, is independently selected from H,
methyl, ethyl, propyl, and butyl; and

R¹⁶, at each occurrence, is independently selected from H,
OH, C₁-C₄ alkyl, benzyl, phenethyl, -C(=O)-(C₁-C₄ alkyl)
and -S(=O)₂-(C₁-C₄ alkyl).

35

[11] In another preferred embodiment the present
invention provides



or a pharmaceutically acceptable salt or prodrug thereof,
 5 wherein:

R³ is -(CR⁷R^{7a})_n-R⁴,
 -(CR⁷R^{7a})_n-S-(CR⁷R^{7a})_m-R⁴,
 -(CR⁷R^{7a})_n-O-(CR⁷R^{7a})_m-R⁴, or
 10 -(CR⁷R^{7a})_n-N(R^{7b})-(CR⁷R^{7a})_m-R⁴;

n is 0, 1, or 2;

m is 0, 1, or 2;

15 R^{3a} is H, OH, methyl, ethyl, propyl, butyl, methoxy, ethoxy,
 propoxy, or butoxy;

R⁴ is H, OH, OR^{14a},

20 C₁-C₄ alkyl substituted with 0-2 R^{4a},
 C₂-C₄ alkenyl substituted with 0-2 R^{4a},
 C₂-C₄ alkynyl substituted with 0-2 R^{4a},
 C₃-C₆ cycloalkyl substituted with 0-3 R^{4b},
 C₆-C₁₀ aryl substituted with 0-3 R^{4b}, or
 25 5 to 10 membered heterocycle substituted with 0-3 R^{4b};

R^{4a}, at each occurrence, is independently selected from is H,
 F, Cl, Br, I, CF₃,

30 C₃-C₁₀ carbocycle substituted with 0-3 R^{4b},
 C₆-C₁₀ aryl substituted with 0-3 R^{4b}, or
 5 to 10 membered heterocycle substituted with 0-3 R^{4b};

R^{4b}, at each occurrence, is independently selected from H,
 OH, Cl, F, Br, I, CN, NO₂, NR¹⁵R¹⁶, CF₃, acetyl, SCH₃,

S(=O)CH₃, S(=O)₂CH₃, C₁-C₆ alkyl, C₁-C₄ alkoxy, C₁-C₄ haloalkyl, and C₁-C₄ haloalkoxy;

R⁵ is H, OR¹⁴;

- 5 C₁-C₆ alkyl substituted with 0-3 R^{5b};
C₂-C₆ alkenyl substituted with 0-3 R^{5b};
C₂-C₆ alkynyl substituted with 0-3 R^{5b};
C₃-C₁₀ carbocycle substituted with 0-3 R^{5c};
C₆-C₁₀ aryl substituted with 0-3 R^{5c}; or
10 5 to 10 membered heterocycle substituted with 0-3R^{5c};

R^{5a} is H, OH, C₁-C₄ alkyl, C₁-C₄ alkoxy, C₂-C₄ alkenyl, or C₂-C₄ alkenyloxy;

- 15 R^{5b}, at each occurrence, is independently selected from:
H, C₁-C₆ alkyl, CF₃, OR¹⁴, Cl, F, Br, I, =O, CN, NO₂,
NR¹⁵R¹⁶;
C₃-C₁₀ carbocycle substituted with 0-3 R^{5c};
C₆-C₁₀ aryl substituted with 0-3 R^{5c}; or
20 5 to 10 membered heterocycle substituted with 0-3 R^{5c};

- R^{5c}, at each occurrence, is independently selected from H,
OH, Cl, F, Br, I, CN, NO₂, NR¹⁵R¹⁶, CF₃, acetyl, SCH₃,
S(=O)CH₃, S(=O)₂CH₃, C₁-C₆ alkyl, C₁-C₄ alkoxy, C₁-C₄
25 haloalkyl, and C₁-C₄ haloalkoxy;

R⁶ is H, methyl, or ethyl;

- R⁷, at each occurrence, is independently selected from H, OH,
30 Cl, F, Br, I, CN, NO₂, CF₃, and C₁-C₄ alkyl;

R^{7a}, at each occurrence, is independently selected from H,
OH, Cl, F, Br, I, CN, NO₂, CF₃, phenyl and C₁-C₄ alkyl;

- 35 R^{7b} is independently selected from H, methyl, ethyl, propyl,
and butyl;

W is -(CR⁸R^{8a})_p-;

p is 0, 1, or 2;

5 R^8 and R^{8a} , at each occurrence, are independently selected from H, F, C₁-C₃ alkyl, C₂-C₃ alkenyl, C₂-C₃ alkynyl and C₃-C₆ cycloalkyl;

X is a bond;

10 C₆-C₁₀ aryl substituted with 0-3 R^{Xb} ;
C₃-C₁₀ carbocycle substituted with 0-2 R^{Xb} ; or
5 to 10 membered heterocycle substituted with 0-2 R^{Xb} ;

15 R^{Xb} , at each occurrence, is independently selected from H, OH, Cl, F, Br, I, CN, NO₂, NR¹⁵R¹⁶, CF₃, acetyl, SCH₃, S(=O)CH₃, S(=O)₂CH₃, C₁-C₆ alkyl, C₁-C₄ alkoxy, C₁-C₄ haloalkyl, and C₁-C₄ haloalkoxy;

Y is a bond or $-(CR^9R^{9a})_t-V-(CR^9R^{9a})_u-$;

20 t is 0, 1, or 2;

u is 0, 1, or 2;

25 R^9 and R^{9a} , at each occurrence, are independently selected from H, F, C₁-C₄ alkyl or C₃-C₆ cycloalkyl;

V is a bond, -C(=O)-, -O-, -S-, -S(=O)-, -S(=O)₂-, -N(R¹⁹)-, -C(=O)NR^{19b}-, -NR^{19b}C(=O)-, -NR^{19b}S(=O)₂-, -S(=O)₂NR^{19b}-, -NR^{19b}S(=O)-, or -S(=O)NR^{19b}-;

30

Z is C₁-C₃ alkyl substituted with 1-2 R^{12} ;
C₆-C₁₀ aryl substituted with 0-4 R^{12b} ;
C₃-C₁₀ carbocycle substituted with 0-4 R^{12b} ; or
5 to 10 membered heterocycle substituted with 0-3 R^{12b} ;

35

R^{12} is C₆-C₁₀ aryl substituted with 0-4 R^{12b} ;
C₃-C₁₀ carbocycle substituted with 0-4 R^{12b} ; or
5 to 10 membered heterocycle substituted with 0-3 R^{12b} ;

R^{12b}, at each occurrence, is independently selected from H,
OH, Cl, F, Br, I, CN, NO₂, NR¹⁵R¹⁶, CF₃, acetyl, SCH₃,
S(=O)CH₃, S(=O)₂CH₃, C₁-C₆ alkyl, C₁-C₄ alkoxy, C₁-C₄
5 haloalkyl, and C₁-C₄ haloalkoxy;

B is a seven membered lactam,
wherein the lactam is saturated, partially saturated or
unsaturated;
10 wherein each additional lactam carbon is substituted
with 0-2 R¹¹; and,
optionally, the lactam contains a heteroatom selected
from -O-, -S-, -S(=O)-, -S(=O)₂-, and -N(R¹⁰)-;
15 R¹⁰ is H, C(=O)R¹⁷, C(=O)OR¹⁷, C(=O)NR¹⁸R¹⁹, S(=O)₂NR¹⁸R¹⁹,
S(=O)₂R¹⁷;
C₁-C₆ alkyl substituted with 0-1 R^{10a};
C₆-C₁₀ aryl substituted with 0-4 R^{10b};
C₃-C₁₀ carbocycle substituted with 0-3 R^{10b}; or
20 5 to 10 membered heterocycle optionally substituted with
0-3 R^{10b};

R^{10a}, at each occurrence, is independently selected from H,
C₁-C₆ alkyl, OR¹⁴, Cl, F, Br, I, =O, CN, NO₂, NR¹⁵R¹⁶,
25 CF₃, or phenyl substituted with 0-4 R^{10b};

R^{10b}, at each occurrence, is independently selected from H,
OH, C₁-C₆ alkyl, C₁-C₄ alkoxy, Cl, F, Br, I, CN, NO₂,
NR¹⁵R¹⁶, or CF₃;

30

R¹¹, at each occurrence, is independently selected from
C₁-C₄ alkoxy, Cl, F, =O, NR¹⁸R¹⁹, C(=O)R¹⁷, C(=O)OR¹⁷,
C(=O)NR¹⁸R¹⁹, S(=O)₂NR¹⁸R¹⁹, CF₃;
C₁-C₆ alkyl substituted with 0-1 R^{11a};
35 C₆-C₁₀ aryl substituted with 0-3 R^{11b};
C₃-C₁₀ carbocycle substituted with 0-3 R^{11b}; or
5 to 10 membered heterocycle substituted with 0-3 R^{11b};

alternatively, two R¹¹ substituents on the same or adjacent carbon atoms may be combined to form a C₃-C₆ carbocycle or a benzo fused radical;

5 R^{11a}, at each occurrence, is independently selected from H, C₁-C₆ alkyl, OR¹⁴, Cl, F, Br, I, =O, CN, NO₂, NR¹⁵R¹⁶, CF₃, or phenyl substituted with 0-3 R^{11b};

10 R^{11b}, at each occurrence, is independently selected from H, OH, Cl, F, Br, I, CN, NO₂, NR¹⁵R¹⁶, CF₃, C₁-C₆ alkyl, C₁-C₄ alkoxy, C₁-C₄ haloalkyl, and C₁-C₄ haloalkoxy;

R¹⁴ is H, phenyl, benzyl, C₁-C₆ alkyl, or C₂-C₆ alkoxyalkyl;

15 R¹⁵, at each occurrence, is independently selected from H, C₁-C₆ alkyl, benzyl, phenethyl, -C(=O)-(C₁-C₆ alkyl) and -S(=O)₂-(C₁-C₆ alkyl);

20 R¹⁶, at each occurrence, is independently selected from H, OH, C₁-C₆ alkyl, benzyl, phenethyl, -C(=O)-(C₁-C₆ alkyl) and -S(=O)₂-(C₁-C₆ alkyl);

R¹⁷ is H, aryl, (aryl)CH₂-, C₁-C₆ alkyl, or C₂-C₆ alkoxyalkyl;

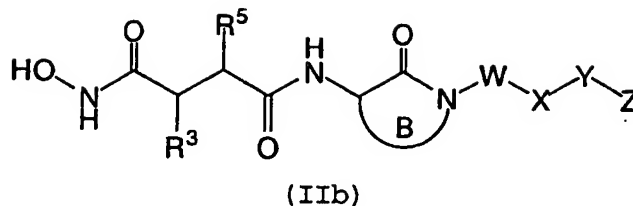
25 R¹⁸, at each occurrence, is independently selected from H, C₁-C₆ alkyl, benzyl, phenethyl, -C(=O)-(C₁-C₆ alkyl) and -S(=O)₂-(C₁-C₆ alkyl); and

30 R¹⁹, at each occurrence, is independently selected from H, OH, C₁-C₆ alkyl, phenyl, benzyl, phenethyl, -C(=O)-(C₁-C₆ alkyl) and -S(=O)₂-(C₁-C₆ alkyl); and

R^{19b} is H, C₁-C₆ alkyl, C₃-C₈ cycloalkyl, phenyl, benzyl or phenethyl.

35

[12] In a more preferred embodiment the present invention provides



or a pharmaceutically acceptable salt or prodrug thereof,
 5 wherein:

R^3 is R^4 ,

n is 0 or 1;

10

m is 0 or 1;

R^4 is H, OH,

15 C_1 - C_4 alkyl substituted with 0-2 R^{4a} ,
 C_2 - C_4 alkenyl substituted with 0-2 R^{4a} ,
 C_2 - C_4 alkynyl substituted with 0-1 R^{4a} ,
 C_3 - C_6 cycloalkyl substituted with 0-3 R^{4b} ,
 C_6 - C_{10} aryl substituted with 0-3 R^{4b} , or
 5 to 10 membered heterocycle substituted with 0-3 R^{4b} ;

20

R^{4a} , at each occurrence, is independently selected from is H,
 F, Cl, CF_3 ,

25 C_3 - C_6 cycloalkyl substituted with 0-3 R^{4b} ,
 phenyl substituted with 0-3 R^{4b} , or
 5 to 6 membered heterocycle substituted with 0-3 R^{4b} ;

30 R^{4b} , at each occurrence, is independently selected from H,
 OH, Cl, F, Br, I, CN, NO_2 , $NR^{15}R^{16}$, CF_3 , acetyl, SCH_3 ,
 $S(=O)CH_3$, $S(=O)_2CH_3$, C_1 - C_4 alkyl, C_1 - C_3 alkoxy, C_1 - C_2
 haloalkyl, and C_1 - C_2 haloalkoxy;

R^5 is H, OR¹⁴;

35 C_1 - C_4 alkyl substituted with 0-3 R^{5b} ;
 C_2 - C_4 alkenyl substituted with 0-2 R^{5b} ; or
 C_2 - C_4 alkynyl substituted with 0-2 R^{5b} ;

R^{5b}, at each occurrence, is independently selected from:

- H, methyl, ethyl, propyl, butyl, CF₃, OR¹⁴, =O;
C₃-C₆ cycloalkyl substituted with 0-2 R^{5c};
5 phenyl substituted with 0-3 R^{5c}; or
5 to 6 membered heterocycle substituted with 0-2 R^{5c};

- R^{5c}, at each occurrence, is independently selected from H,
OH, Cl, F, Br, I, CN, NO₂, NR¹⁵R¹⁶, CF₃, acetyl, SCH₃,
10 S(=O)CH₃, S(=O)₂CH₃, C₁-C₄ alkyl, C₁-C₃ alkoxy, C₁-C₂
haloalkyl, and C₁-C₂ haloalkoxy;

W is a bond, -CH₂-, -CH(CH₃)-, -CH₂CH₂- or -CH(CH₃)CH₂-;

- 15 X is a bond;
phenyl substituted with 0-2 R^{Xb};
C₃-C₆ cycloalkyl substituted with 0-2 R^{Xb}; or
5 to 6 membered heterocycle substituted with 0-2 R^{Xb};

- 20 R^{Xb}, at each occurrence, is independently selected from H,
OH, Cl, F, NR¹⁵R¹⁶, CF₃, acetyl, SCH₃, S(=O)CH₃,
S(=O)₂CH₃, C₁-C₄ alkyl, C₁-C₃ alkoxy, C₁-C₂ haloalkyl,
and C₁-C₂ haloalkoxy;

- 25 Y is a bond, -CH₂-V-, -V-, or -V-CH₂-;

V is a bond, -C(=O)-, -O-, -S-, -S(=O)-, -S(=O)₂-, -NH-,
-N(CH₃)-, or -N(CH₂CH₃)-,

- 30 Z is C₁-C₂ alkyl substituted with 1-2 R¹²;
C₆-C₁₀ aryl substituted with 0-4 R^{12b};
C₃-C₆ carbocycle substituted with 0-3 R^{12b}; or
5 to 10 membered heterocycle substituted with 0-3 R^{12b};

- 35 R¹² is C₆-C₁₀ aryl substituted with 0-4 R^{12b};
C₃-C₆ carbocycle substituted with 0-3 R^{12b}; or
5 to 10 membered heterocycle substituted with 0-3 R^{12b};

R^{12b}, at each occurrence, is independently selected from H, OH, Cl, F, NR¹⁵R¹⁶, CF₃, acetyl, SCH₃, S(=O)CH₃, S(=O)₂CH₃, C₁-C₄ alkyl, C₁-C₃ alkoxy, C₁-C₂ haloalkyl, and C₁-C₂ haloalkoxy;

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B is a seven membered lactam, wherein the lactam is saturated, partially saturated or unsaturated; wherein each additional lactam carbon is substituted with 0-2 R¹¹; and, optionally, the lactam contains a heteroatom selected from -O-, -S-, -S(=O)-, -S(=O)₂-, and -N(R¹⁰)-;

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R¹⁰ is H, C(=O)R¹⁷, C(=O)OR¹⁷;

15

C₁-C₄ alkyl substituted with 0-1 R^{10a};
phenyl substituted with 0-4 R^{10b};
C₃-C₆ carbocycle substituted with 0-3 R^{10b}; or
5 to 6 membered heterocycle optionally substituted with 0-3 R^{10b};

20

R^{10a}, at each occurrence, is independently selected from H, C₁-C₄ alkyl, OR¹⁴, Cl, F, Br, I, =O, CN, NO₂, NR¹⁵R¹⁶, CF₃, or phenyl substituted with 0-4 R^{10b};

25 R^{10b}, at each occurrence, is independently selected from H, OH, C₁-C₄ alkyl, C₁-C₃ alkoxy, Cl, F, Br, I, CN, NO₂, NR¹⁵R¹⁶, or CF₃;

30 R¹¹, at each occurrence, is independently selected from C₁-C₄ alkoxy, Cl, F, =O, NR¹⁸R¹⁹, C(=O)R¹⁷, C(=O)OR¹⁷, CF₃;

C₁-C₄ alkyl substituted with 0-1 R^{11a};
phenyl substituted with 0-3 R^{11b};
C₃-C₆ carbocycle substituted with 0-3 R^{11b}; or
35 5 to 6 membered heterocycle substituted with 0-3 R^{11b};

alternatively, two R¹¹ substituents on the same or adjacent carbon atoms may be combined to form a cyclopropyl,

cyclobutyl, cyclopentyl, cyclohexyl, or a benzo fused radical;

5 R^{11a}, at each occurrence, is independently selected from H, C₁-C₄ alkyl, OR¹⁴, F, =O, NR¹⁵R¹⁶, CF₃, or phenyl substituted with 0-3 R^{11b};

10 R^{11b}, at each occurrence, is independently selected from H, OH, Cl, F, NR¹⁵R¹⁶, CF₃, C₁-C₄ alkyl, C₁-C₃ alkoxy, C₁-C₂ haloalkyl, and C₁-C₂ haloalkoxy;

R¹⁴ is H, phenyl, benzyl, C₁-C₄ alkyl, or C₂-C₄ alkoxyalkyl;

15 R¹⁵, at each occurrence, is independently selected from H, C₁-C₄ alkyl, benzyl, phenethyl, -C(=O)-(C₁-C₄ alkyl) and -S(=O)₂-(C₁-C₄ alkyl);

20 R¹⁶, at each occurrence, is independently selected from H, OH, C₁-C₄ alkyl, benzyl, phenethyl, -C(=O)-(C₁-C₄ alkyl) and -S(=O)₂-(C₁-C₄ alkyl);

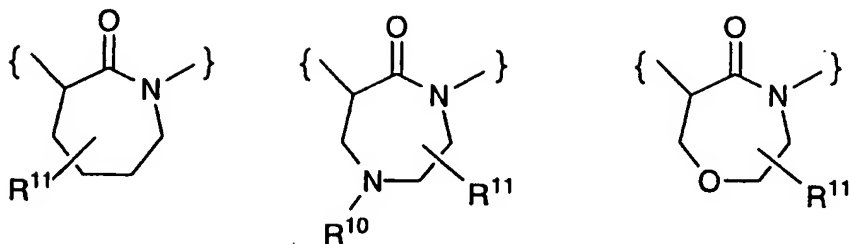
25 R¹⁷ is H, phenyl, 4-fluorophenyl, 4-chlorophenyl, 4-methylphenyl, 4-trifluorophenyl, (4-fluorophenyl)methyl, (4-chlorophenyl)methyl, (4-methylphenyl)methyl, (4-trifluorophenyl)methyl, methyl, ethyl, propyl, butyl, methoxymethyl, methoxyethyl, ethoxymethyl, or ethoxyethyl;

30 R¹⁸, at each occurrence, is independently selected from H, methyl, ethyl, propyl, butyl, phenyl, benzyl, and phenethyl; and

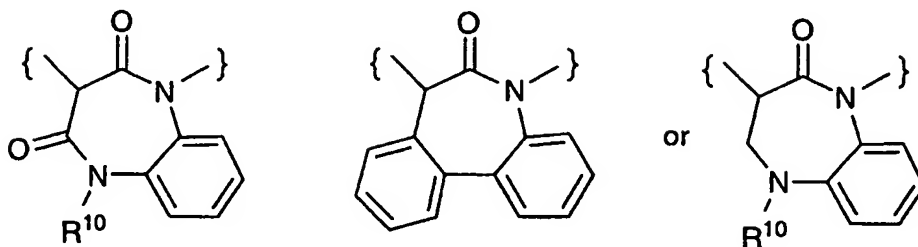
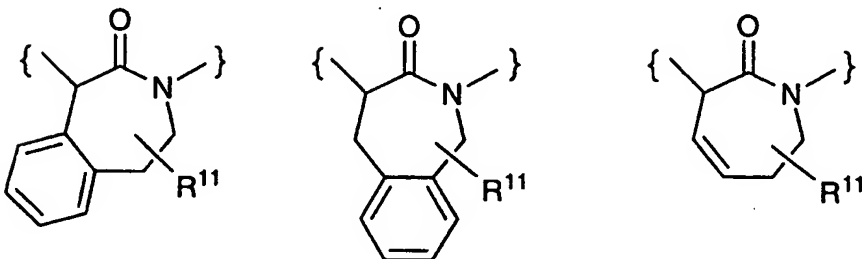
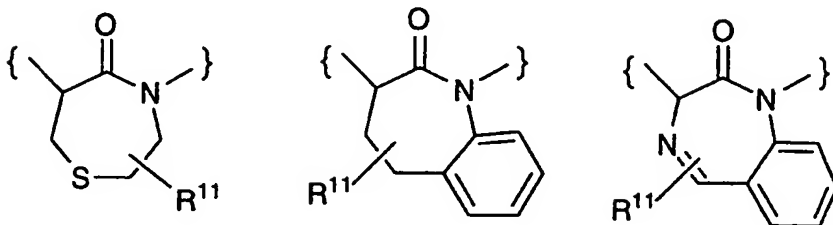
35 R¹⁹, at each occurrence, is independently selected from H, methyl, and ethyl.

[13] In an even more preferred embodiment the present invention provides

B is



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[14] In another even more preferred embodiment the present invention provides compounds of Formula (I) selected from:

15 (2R,3S) N1-[(3S)-hexahydro-1-(3-phenoxybenzyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;

(2R,3S) N1-[(3S)-hexahydro-1-(3-(4-methoxyphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;

- (2R,3S) N1-[(3S)-hexahydro-1-(3-(4-trifluoromethylphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 5 (2R,3S) N1-[(3S)-hexahydro-1-(3-(4-methylphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-(2,4-dichlorophenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 10 (2R,3S) N1-[(3S)-hexahydro-1-(3-(3-chloro-4-fluorophenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(benzophenon-3-yl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 15 (2R,3S) N1-[(3S)-hexahydro-1-(3-(2-naphthyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-(3-fluorophenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 20 (2R,3S) N1-[(3S)-hexahydro-1-(3-(3-methoxyphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 25 (2R,3S) N1-[(3S)-hexahydro-1-(3-(2-methoxyphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-(4-methoxyphenyl)pyrid-5-ylmethyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 30 (2R,3S) N1-[(3S)-hexahydro-1-(3-(4-trifluoromethylphenyl)pyrid-5-ylmethyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-(3-chloro-4-fluorophenyl)pyrid-5-ylmethyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 35

- (2R,3S) N1-[(3S)-hexahydro-1-(4-(4-trifluoromethylphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanedi-
amide;
- 5 (2S,3R) N1-[(3S)-hexahydro-1-(3-(2-tetrazolylphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(propyl)-3-(2-methylpropyl)-butanedi-
amide;
- (2S,3R) N1-[(3S)-hexahydro-1-(3-phenoxybenzyl)-2-oxo-1H-azepin-3-yl]-2-(propyl)-3-(2-methylpropyl)-
butanedi-
amide;
- 10 (2R,3S) N1-[(3S)-hexahydro-1-(3-phenoxybenzyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanedi-
amide;
- (2R,3S) N1-[(3S)-hexahydro-1-(benzophenon-3-yl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanedi-
amide;
- 15 (2R) N1-[(3S)-hexahydro-1-(3-phenoxybenzyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-butanedi-
amide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-(4-methoxyphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-
butanedi-
amide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-(4-trifluoromethylphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-
butanedi-
amide;
- 20 (2R,3S) N1-[(3S)-hexahydro-1-(3-(4-methylphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-
butanedi-
amide;
- 25 (2R,3S) N1-[(3S)-hexahydro-1-(3-(2,4-dichlorophenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-
butanedi-
amide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-(3-chloro-4-fluorophenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-
butanedi-
amide;
- 30 (2R,3S) N1-[(3S)-hexahydro-1-(3-(2-naphthyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-
butanedi-
amide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-phenoxybenzyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanedi-
amide;
- 35 (2R,3S) N1-[(3S)-hexahydro-1-(3-(4-methoxyphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-
butanedi-
amide;

- (2R,3S) N1-[(3S)-hexahydro-1-(3-(4-trifluoromethylphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide;
- 5 (2R,3S) N1-[(3S)-hexahydro-1-(3-(4-methylphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-(2,4-dichlorophenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide;
- 10 (2R,3S) N1-[(3S)-hexahydro-1-(3-(3-chloro-4-fluorophenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(benzophenon-3-yl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide;
- 15 (2R,3S) N1-[(3S)-hexahydro-1-(3-(2-naphthyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-phenoxybenzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopropylmethyl)-3-(propyl)-butanediamide;
- 20 (2R,3S) N1-[(3S)-hexahydro-1-(3-(4-methoxyphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopropylmethyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-(4-trifluoromethylphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopropylmethyl)-3-(propyl)-butanediamide;
- 25 (2R,3S) N1-[(3S)-hexahydro-1-(3-(4-methylphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopropylmethyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-(2,4-dichlorophenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopropylmethyl)-3-(propyl)-butanediamide;
- 30 (2R,3S) N1-[(3S)-hexahydro-1-(3-(3-chloro-4-fluorophenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopropylmethyl)-3-(propyl)-butanediamide;
- 35 (2R,3S) N1-[(3S)-hexahydro-1-(benzophenon-3-yl)-2-oxo-1H-azepin-3-yl]-2-(cyclopropylmethyl)-3-(propyl)-butanediamide;

- (2R,3S) N1-[(3S)-hexahydro-1-(3-(2-naphthyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopropylmethyl)-3-(propyl)-butanediamide;
- 5 (2R,3S) N1-[(3S)-hexahydro-1-(3-phenoxybenzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopropylmethyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-(4-methoxyphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopropylmethyl)-3-(allyl)-butanediamide;
- 10 (2R,3S) N1-[(3S)-hexahydro-1-(3-(4-trifluoromethylphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopropylmethyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-(4-methylphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopropylmethyl)-3-(allyl)-butanediamide;
- 15 (2R,3S) N1-[(3S)-hexahydro-1-(3-(2,4-dichlorophenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopropylmethyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-(3-chloro-4-fluorophenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopropylmethyl)-3-(allyl)-butanediamide;
- 20 (2R,3S) N1-[(3S)-hexahydro-1-(benzophenon-3-yl)-2-oxo-1H-azepin-3-yl]-2-(cyclopropylmethyl)-3-(allyl)-butanediamide;
- 25 (2R,3S) N1-[(3S)-hexahydro-1-(3-(2-naphthyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopropylmethyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-phenoxybenzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopropylmethyl)-3-(butyl)-butanediamide;
- 30 (2R,3S) N1-[(3S)-hexahydro-1-(3-(4-methoxyphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopropylmethyl)-3-(butyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-(4-trifluoromethylphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopropylmethyl)-3-(butyl)-butanediamide;
- 35

- (2R,3S) N1-[(3S)-hexahydro-1-(3-(4-methylphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopropylmethyl)-3-(butyl)-butanediamide;
- 5 (2R,3S) N1-[(3S)-hexahydro-1-(3-(2,4-dichlorophenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopropylmethyl)-3-(butyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-(3-chloro-4-fluorophenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopropylmethyl)-3-(butyl)-butanediamide;
- 10 (2R,3S) N1-[(3S)-hexahydro-1-(benzophenon-3-yl)-2-oxo-1H-azepin-3-yl]-2-(cyclopropylmethyl)-3-(butyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-(2-naphthyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopropylmethyl)-3-(butyl)-butanediamide;
- 15 (2R,3S) N1-[(3S)-hexahydro-1-(3-phenoxybenzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclobutylmethyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-(4-methoxyphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclobutylmethyl)-3-(propyl)-butanediamide;
- 20 (2R,3S) N1-[(3S)-hexahydro-1-(3-(4-trifluoromethylphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclobutylmethyl)-3-(propyl)-butanediamide;
- 25 (2R,3S) N1-[(3S)-hexahydro-1-(3-(4-methylphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclobutylmethyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-(2,4-dichlorophenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclobutylmethyl)-3-(propyl)-butanediamide;
- 30 (2R,3S) N1-[(3S)-hexahydro-1-(3-(3-chloro-4-fluorophenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclobutylmethyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(benzophenon-3-yl)-2-oxo-1H-azepin-3-yl]-2-(cyclobutylmethyl)-3-(propyl)-butanediamide;
- 35

- (2R,3S) N1-[(3S)-hexahydro-1-(3-(2-naphthyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclobutylmethyl)-3-(propyl)-butanediamide;
- 5 (2R,3S) N1-[(3S)-hexahydro-1-(3-phenoxybenzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclobutylmethyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-(4-methoxyphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclobutylmethyl)-3-(allyl)-butanediamide;
- 10 (2R,3S) N1-[(3S)-hexahydro-1-(3-(4-trifluoromethylphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclobutylmethyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-(4-methylphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclobutylmethyl)-3-(allyl)-butanediamide;
- 15 (2R,3S) N1-[(3S)-hexahydro-1-(3-(2,4-dichlorophenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclobutylmethyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-(3-chloro-4-fluorophenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclobutylmethyl)-3-(allyl)-butanediamide;
- 20 (2R,3S) N1-[(3S)-hexahydro-1-(benzophenon-3-yl)-2-oxo-1H-azepin-3-yl]-2-(cyclobutylmethyl)-3-(allyl)-butanediamide;
- 25 (2R,3S) N1-[(3S)-hexahydro-1-(3-(2-naphthyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclobutylmethyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-phenoxybenzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclobutylmethyl)-3-(butyl)-butanediamide;
- 30 (2R,3S) N1-[(3S)-hexahydro-1-(3-(4-methoxyphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclobutylmethyl)-3-(butyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-(4-trifluoromethylphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclobutylmethyl)-3-(butyl)-butanediamide;
- 35

- (2R,3S) N1-[(3S)-hexahydro-1-(3-(4-methylphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclobutylmethyl)-3-(butyl)-butanediamide;
- 5 (2R,3S) N1-[(3S)-hexahydro-1-(3-(2,4-dichlorophenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclobutylmethyl)-3-(butyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-(3-chloro-4-fluorophenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclobutylmethyl)-3-(butyl)-butanediamide;
- 10 (2R,3S) N1-[(3S)-hexahydro-1-(benzophenon-3-yl)-2-oxo-1H-azepin-3-yl]-2-(cyclobutylmethyl)-3-(butyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-(2-naphthyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclobutylmethyl)-3-(butyl)-butanediamide;
- 15 (2R,3S) N1-[(3S)-hexahydro-1-(3-phenoxybenzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopentylmethyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-(4-methoxyphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopentylmethyl)-3-(propyl)-butanediamide;
- 20 (2R,3S) N1-[(3S)-hexahydro-1-(3-(4-trifluoromethylphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopentylmethyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-(4-methylphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopentylmethyl)-3-(propyl)-butanediamide;
- 25 (2R,3S) N1-[(3S)-hexahydro-1-(3-(2,4-dichlorophenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopentylmethyl)-3-(propyl)-butanediamide;
- 30 (2R,3S) N1-[(3S)-hexahydro-1-(3-(3-chloro-4-fluorophenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopentylmethyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(benzophenon-3-yl)-2-oxo-1H-azepin-3-yl]-2-(cyclopentylmethyl)-3-(propyl)-butanediamide;
- 35

- (2R,3S) N1-[(3S)-hexahydro-1-(3-(2-naphthyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopentylmethyl)-3-(propyl)-butanediamide;
- 5 (2R,3S) N1-[(3S)-hexahydro-1-(3-phenoxybenzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopentylmethyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-(4-methoxyphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopentylmethyl)-3-(allyl)-butanediamide;
- 10 (2R,3S) N1-[(3S)-hexahydro-1-(3-(4-trifluoromethylphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopentylmethyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-(4-methylphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopentylmethyl)-3-(allyl)-butanediamide;
- 15 (2R,3S) N1-[(3S)-hexahydro-1-(3-(2,4-dichlorophenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopentylmethyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-(3-chloro-4-fluorophenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopentylmethyl)-3-(allyl)-butanediamide;
- 20 (2R,3S) N1-[(3S)-hexahydro-1-(benzophenon-3-yl)-2-oxo-1H-azepin-3-yl]-2-(cyclopentylmethyl)-3-(allyl)-butanediamide;
- 25 (2R,3S) N1-[(3S)-hexahydro-1-(3-(2-naphthyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopentylmethyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-phenoxybenzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopentylmethyl)-3-(butyl)-butanediamide;
- 30 (2R,3S) N1-[(3S)-hexahydro-1-(3-(4-methoxyphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopentylmethyl)-3-(butyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-(4-trifluoromethylphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopentylmethyl)-3-(butyl)-butanediamide;
- 35

- (2R,3S) N1-[(3S)-hexahydro-1-(3-(4-methylphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopentylmethyl)-3-(butyl)-butanediamide;
- 5 (2R,3S) N1-[(3S)-hexahydro-1-(3-(2,4-dichlorophenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopentylmethyl)-3-(butyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-(3-chloro-4-fluorophenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopentylmethyl)-3-(butyl)-butanediamide;
- 10 (2R,3S) N1-[(3S)-hexahydro-1-(benzophenon-3-yl)-2-oxo-1H-azepin-3-yl]-2-(cyclopentylmethyl)-3-(butyl)-butanediamide; and
- (2R,3S) N1-[(3S)-hexahydro-1-(3-(2-naphthyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopentylmethyl)-3-(butyl)-butanediamide;
- 15 (2R,3S) N1-[(3S)-hexahydro-1-(benzyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(phenethyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 20 (2R,3S) N1-[(3S)-hexahydro-1-((4-fluorophenyl)methyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(cyclopropylmethyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 25 (2R,3S) N1-[(3S)-hexahydro-1-(cyclobutylmethyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(cyclopentylmethyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 30 (2R,3S) N1-[(3S)-hexahydro-1-(cyclohexylmethyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 35 (2R,3S) N1-[(3S)-hexahydro-1-(cyclopropylethyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;

- (2R,3S) N1-[(3S)-hexahydro-1-(cyclobutylethyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 5 (2R,3S) N1-[(3S)-hexahydro-1-(cyclopentylethyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(cyclohexylethyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 10 (2R,3S) N1-[(3S)-hexahydro-1-(benzyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(phenethyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- 15 (2R,3S) N1-[(3S)-hexahydro-1-((4-fluorophenyl)methyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(cyclopropylmethyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- 20 (2R,3S) N1-[(3S)-hexahydro-1-(cyclobutylmethyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(cyclopentylmethyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(cyclohexylmethyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- 25 (2R,3S) N1-[(3S)-hexahydro-1-(cyclopropylethyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(cyclobutylethyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(cyclopentylethyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- 30 (2R,3S) N1-[(3S)-hexahydro-1-(cyclohexylethyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(benzyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide;
- 35 (2R,3S) N1-[(3S)-hexahydro-1-(phenethyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide;

- (2R,3S) N1-[(3S)-hexahydro-1-((4-fluorophenyl)methyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide;
- 5 (2R,3S) N1-[(3S)-hexahydro-1-(cyclopropylmethyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(cyclobutylmethyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(cyclopentylmethyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide;
- 10 (2R,3S) N1-[(3S)-hexahydro-1-(cyclohexylmethyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(cyclopropylethyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(cyclobutylethyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide;
- 15 (2R,3S) N1-[(3S)-hexahydro-1-(cyclopentylethyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide;
- and
- (2R,3S) N1-[(3S)-hexahydro-1-(cyclohexylethyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide.
- 20

[15] In another even more preferred embodiment the present invention provides compounds of Formula (I) selected from:

- 25 (2R,3S) N1-[1,3-dihydro-1-(3-phenoxybenzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(3-phenoxybenzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 30 (2R,3S) N1-[1,3-dihydro-1-(3-(4-methoxyphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(3-(4-trifluoromethylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 35

- (2R,3S) N1-[1,3-dihydro-1-(3-(4-methylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 5 (2R,3S) N1-[1,3-dihydro-1-(3-(2,4-dichlorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 10 (2R,3S) N1-[1,3-dihydro-1-(3-(3-chloro-4-fluorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(benzophenon-3-yl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 15 (2R,3S) N1-[1,3-dihydro-1-(3-(2-naphthyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(3-(4-methoxyphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- 20 (2R,3S) N1-[1,3-dihydro-1-(3-(4-trifluoromethylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- 25 (2R,3S) N1-[1,3-dihydro-1-(3-(4-methylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(3-(2,4-dichlorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- 30 (2R,3S) N1-[1,3-dihydro-1-(3-(3-chloro-4-fluorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- 35 (2R,3S) N1-[1,3-dihydro-1-(3-(2-naphthyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;

- (2R,3S) N1-[1,3-dihydro-1-(3-phenoxybenzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanedi-
amide;
- 5 (2R,3S) N1-[1,3-dihydro-1-(3-(4-methoxyphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanedi-
amide;
- 10 (2R,3S) N1-[1,3-dihydro-1-(3-(4-trifluoromethylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-
butanedi-
amide;
- (2R,3S) N1-[1,3-dihydro-1-(3-(4-methylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanedi-
amide;
- 15 (2R,3S) N1-[1,3-dihydro-1-(3-(2,4-dichlorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanedi-
amide;
- (2R,3S) N1-[1,3-dihydro-1-(3-(3-chloro-4-fluorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-
20 butanedi-
amide;
- (2R,3S) N1-[1,3-dihydro-1-(benzophenon-3-yl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanedi-
amide;
- 25 (2R,3S) N1-[1,3-dihydro-1-(3-(2-naphthyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanedi-
amide;
- (2R,3S) N1-[1,3-dihydro-1-(3-phenoxybenzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclopropylmethyl)-3-(propyl)-butanedi-
amide;
- 30 (2R,3S) N1-[1,3-dihydro-1-(3-(4-methoxyphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclopropylmethyl)-3-(propyl)-butanedi-
amide;
- (2R,3S) N1-[1,3-dihydro-1-(3-(4-trifluoromethylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclopropylmethyl)-3-(propyl)-
35 butanedi-
amide;

- (2R,3S) N1-[1,3-dihydro-1-(3-(4-methylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclopropylmethyl)-3-(propyl)-butanediamide;
- 5 (2R,3S) N1-[1,3-dihydro-1-(3-(2,4-dichlorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclopropylmethyl)-3-(propyl)-butanediamide;
- 10 (2R,3S) N1-[1,3-dihydro-1-(3-(3-chloro-4-fluorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclopropylmethyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(benzophenon-3-yl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclopropylmethyl)-3-(propyl)-butanediamide;
- 15 (2R,3S) N1-[1,3-dihydro-1-(3-(2-naphthyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclopropylmethyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(3-phenoxybenzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclopropylmethyl)-3-(allyl)-butanediamide;
- 20 (2R,3S) N1-[1,3-dihydro-1-(3-(4-methoxyphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclopropylmethyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(3-(4-trifluoromethylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclopropylmethyl)-3-(allyl)-butanediamide;
- 25 (2R,3S) N1-[1,3-dihydro-1-(3-(4-methylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclopropylmethyl)-3-(allyl)-butanediamide;
- 30 (2R,3S) N1-[1,3-dihydro-1-(3-(2,4-dichlorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclopropylmethyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(3-(3-chloro-4-fluorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclopropylmethyl)-3-(allyl)-butanediamide;
- 35

- (2R,3S) N1-[1,3-dihydro-1-(benzophenon-3-yl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclopropylmethyl)-3-(allyl)-butanediamide;
- 5 (2R,3S) N1-[1,3-dihydro-1-(3-(2-naphthyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclopropylmethyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(3-phenoxybenzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclopropylmethyl)-3-(butyl)-butanediamide;
- 10 (2R,3S) N1-[1,3-dihydro-1-(3-(4-methoxyphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclopropylmethyl)-3-(butyl)-butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(3-(4-trifluoromethylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclopropylmethyl)-3-(butyl)-butanediamide;
- 15 (2R,3S) N1-[1,3-dihydro-1-(3-(4-methylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclopropylmethyl)-3-(butyl)-butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(3-(2,4-dichlorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclopropylmethyl)-3-(butyl)-butanediamide;
- 20 (2R,3S) N1-[1,3-dihydro-1-(3-(3-chloro-4-fluorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclopropylmethyl)-3-(butyl)-butanediamide;
- 25 (2R,3S) N1-[1,3-dihydro-1-(benzophenon-3-yl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclopropylmethyl)-3-(butyl)-butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(3-(2-naphthyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclopropylmethyl)-3-(butyl)-butanediamide;
- 30 (2R,3S) N1-[1,3-dihydro-1-(3-phenoxybenzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclobutylmethyl)-3-(propyl)-butanediamide;
- 35 (2R,3S) N1-[1,3-dihydro-1-(3-(4-methoxyphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclobutylmethyl)-3-(propyl)-butanediamide;

- (2R,3S) N1-[1,3-dihydro-1-(3-(4-trifluoromethylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclobutylmethyl)-3-(propyl)-butanediamide;
- 5 (2R,3S) N1-[1,3-dihydro-1-(3-(4-methylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclobutylmethyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(3-(2,4-dichlorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-
- 10 (cyclobutylmethyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(3-(3-chloro-4-fluorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclobutylmethyl)-3-(propyl)-butanediamide;
- 15 (2R,3S) N1-[1,3-dihydro-1-(benzophenon-3-yl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclobutylmethyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(3-(2-naphthyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-
- 20 (cyclobutylmethyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(3-phenoxybenzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-
- (cyclobutylmethyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(3-(4-methoxyphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-
- 25 (cyclobutylmethyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(3-(4-trifluoromethylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclobutylmethyl)-3-(allyl)-butanediamide;
- 30 (2R,3S) N1-[1,3-dihydro-1-(3-(4-methylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclobutylmethyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(3-(2,4-dichlorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-
- 35 (cyclobutylmethyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(3-(3-chloro-4-fluorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-

- benzodiazepin-3-yl]-2-(cyclobutylmethyl)-3-(allyl)-
butanediamide;
(2R,3S) N1-[1,3-dihydro-1-(benzophenon-3-yl)-2-oxo-5-
(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-
5 (cyclobutylmethyl)-3-(allyl)-butanediamide;
(2R,3S) N1-[1,3-dihydro-1-(3-(2-naphthyl)benzyl)-2-oxo-5-
(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-
(cyclobutylmethyl)-3-(allyl)-butanediamide;
(2R,3S) N1-[1,3-dihydro-1-(3-phenoxybenzyl)-2-oxo-5-
10 (phenyl)-2H-1,4-benzodiazepin-3-yl]-2-
(cyclobutylmethyl)-3-(butyl)-butanediamide;
(2R,3S) N1-[1,3-dihydro-1-(3-(4-methoxyphenyl)benzyl)-2-
oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-
(cyclobutylmethyl)-3-(butyl)-butanediamide;
15 (2R,3S) N1-[1,3-dihydro-1-(3-(4-
trifluoromethylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-
benzodiazepin-3-yl]-2-(cyclobutylmethyl)-3-(butyl)-
butanediamide;
(2R,3S) N1-[1,3-dihydro-1-(3-(4-methylphenyl)benzyl)-2-
20 oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-
(cyclobutylmethyl)-3-(butyl)-butanediamide;
(2R,3S) N1-[1,3-dihydro-1-(3-(2,4-dichlorophenyl)benzyl)-
2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-
(cyclobutylmethyl)-3-(butyl)-butanediamide;
25 (2R,3S) N1-[1,3-dihydro-1-(3-(3-chloro-4-
fluorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-
benzodiazepin-3-yl]-2-(cyclobutylmethyl)-3-(butyl)-
butanediamide;
(2R,3S) N1-[1,3-dihydro-1-(benzophenon-3-yl)-2-oxo-5-
30 (phenyl)-2H-1,4-benzodiazepin-3-yl]-2-
(cyclobutylmethyl)-3-(butyl)-butanediamide;
(2R,3S) N1-[1,3-dihydro-1-(3-(2-naphthyl)benzyl)-2-oxo-5-
(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-
(cyclobutylmethyl)-3-(butyl)-butanediamide;
35 (2R,3S) N1-[1,3-dihydro-1-(3-phenoxybenzyl)-2-oxo-5-
(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-
(cyclopentylmethyl)-3-(propyl)-butanediamide;

- (2R,3S) N1-[1,3-dihydro-1-(3-(4-methoxyphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclopentylmethyl)-3-(propyl)-butanediamide;
- 5 (2R,3S) N1-[1,3-dihydro-1-(3-(4-trifluoromethylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclopentylmethyl)-3-(propyl)-butanediamide;
- 10 (2R,3S) N1-[1,3-dihydro-1-(3-(4-methylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclopentylmethyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(3-(2,4-dichlorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclopentylmethyl)-3-(propyl)-butanediamide;
- 15 (2R,3S) N1-[1,3-dihydro-1-(3-(3-chloro-4-fluorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclopentylmethyl)-3-(propyl)-butanediamide;
- 20 (2R,3S) N1-[1,3-dihydro-1-(benzophenon-3-yl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclopentylmethyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(3-(2-naphthyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclopentylmethyl)-3-(propyl)-butanediamide;
- 25 (2R,3S) N1-[1,3-dihydro-1-(3-phenoxybenzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclopentylmethyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(3-(4-methoxyphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclopentylmethyl)-3-(allyl)-butanediamide;
- 30 (2R,3S) N1-[1,3-dihydro-1-(3-(4-trifluoromethylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclopentylmethyl)-3-(allyl)-butanediamide;
- 35 (2R,3S) N1-[1,3-dihydro-1-(3-(4-methylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclopentylmethyl)-3-(allyl)-butanediamide;

- (2R,3S) N1-[1,3-dihydro-1-(3-(2,4-dichlorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclopentylmethyl)-3-(allyl)-butanediamide;
- 5 (2R,3S) N1-[1,3-dihydro-1-(3-(3-chloro-4-fluorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclopentylmethyl)-3-(allyl)-butanediamide;
- 10 (2R,3S) N1-[1,3-dihydro-1-(benzophenon-3-yl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclopentylmethyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(3-(2-naphthyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclopentylmethyl)-3-(allyl)-butanediamide;
- 15 (2R,3S) N1-[1,3-dihydro-1-(3-phenoxybenzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclopentylmethyl)-3-(butyl)-butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(3-(4-methoxyphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclopentylmethyl)-3-(butyl)-butanediamide;
- 20 (2R,3S) N1-[1,3-dihydro-1-(3-(4-trifluoromethylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclopentylmethyl)-3-(butyl)-butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(3-(4-methylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclopentylmethyl)-3-(butyl)-butanediamide;
- 25 (2R,3S) N1-[1,3-dihydro-1-(3-(2,4-dichlorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclopentylmethyl)-3-(butyl)-butanediamide;
- 30 (2R,3S) N1-[1,3-dihydro-1-(3-(3-chloro-4-fluorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclopentylmethyl)-3-(butyl)-butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(benzophenon-3-yl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclopentylmethyl)-3-(butyl)-butanediamide; and
- 35

- (2R,3S) N1-[1,3-dihydro-1-(3-(2-naphthyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclopentylmethyl)-3-(butyl)-butanediamide;
- 5 (2R,3S) N1-[1,3-dihydro-1-(benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(phenethyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 10 (2R,3S) N1-[1,3-dihydro-1-((4-fluorophenyl)methyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(cyclopropylmethyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 15 (2R,3S) N1-[1,3-dihydro-1-(cyclobutylmethyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(cyclopentylmethyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 20 (2R,3S) N1-[1,3-dihydro-1-(cyclohexylmethyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(cyclopropylethyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 25 (2R,3S) N1-[1,3-dihydro-1-(cyclobutylethyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 30 (2R,3S) N1-[1,3-dihydro-1-(cyclopentylethyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(cyclohexylethyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 35

- (2R,3S) N1-[1,3-dihydro-1-(benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanedi-
amide;
- 5 (2R,3S) N1-[1,3-dihydro-1-(phenethyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanedi-
amide;
- (2R,3S) N1-[1,3-dihydro-1-((4-fluorophenyl)methyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanedi-
amide;
- 10 (2R,3S) N1-[1,3-dihydro-1-(cyclopropylmethyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanedi-
amide;
- (2R,3S) N1-[1,3-dihydro-1-(cyclobutylmethyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanedi-
15 amide;
- (2R,3S) N1-[1,3-dihydro-1-(cyclopentylmethyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanedi-
amide;
- (2R,3S) N1-[1,3-dihydro-1-(cyclohexylmethyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanedi-
20 amide;
- (2R,3S) N1-[1,3-dihydro-1-(cyclopropylethyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanedi-
amide;
- 25 (2R,3S) N1-[1,3-dihydro-1-(cyclobutylethyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanedi-
amide;
- (2R,3S) N1-[1,3-dihydro-1-(cyclopentylethyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanedi-
30 amide;
- (2R,3S) N1-[1,3-dihydro-1-(cyclohexylethyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanedi-
amide;
- 35 (2R,3S) N1-[1,3-dihydro-1-(benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanedi-
amide;

- (2R,3S) N1-[1,3-dihydro-1-(phenethyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanedi-
amide;
- 5 (2R,3S) N1-[1,3-dihydro-1-((4-fluorophenyl)methyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanedi-
amide;
- (2R,3S) N1-[1,3-dihydro-1-(cyclopropylmethyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanedi-
amide;
- 10 (2R,3S) N1-[1,3-dihydro-1-(cyclobutylmethyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanedi-
amide;
- (2R,3S) N1-[1,3-dihydro-1-(cyclopentylmethyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanedi-
15 amide;
- (2R,3S) N1-[1,3-dihydro-1-(cyclohexylmethyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanedi-
amide;
- (2R,3S) N1-[1,3-dihydro-1-(cyclopropylethyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanedi-
20 amide;
- (2R,3S) N1-[1,3-dihydro-1-(cyclobutylethyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanedi-
amide;
- 25 (2R,3S) N1-[1,3-dihydro-1-(cyclopentylethyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanedi-
amide; and
- (2R,3S) N1-[1,3-dihydro-1-(cyclohexylethyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanedi-
30 amide.

[16] In another even more preferred embodiment the present invention provides compounds of Formula (I) selected from:

- 35 (2R,3S) N1-[6,7-dihydro-5-(3-phenoxybenzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(propyl)-butanedi-
amide;

- (2R,3S) N1-[6,7-dihydro-5-(3-(4-methoxyphenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 5 (2R,3S) N1-[6,7-dihydro-5-(3-(4-trifluoromethylphenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 10 (2R,3S) N1-[6,7-dihydro-5-(3-(4-methylphenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(3-(2,4-dichlorophenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 15 (2R,3S) N1-[6,7-dihydro-5-(3-(3-chloro-4-fluorophenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(benzophenon-3-yl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 20 (2R,3S) N1-[6,7-dihydro-5-(3-(2-naphthyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(3-phenoxybenzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- 25 (2R,3S) N1-[6,7-dihydro-5-(3-(4-methoxyphenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(3-(4-trifluoromethylphenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- 30 (2R,3S) N1-[6,7-dihydro-5-(3-(4-methylphenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- 35 (2R,3S) N1-[6,7-dihydro-5-(3-(2,4-dichlorophenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;

- (2R,3S) N1-[6,7-dihydro-5-(3-(3-chloro-4-fluorophenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(allyl)-butanedi-
amide;
- 5 (2R,3S) N1-[6,7-dihydro-5-(3-(2-naphthyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(allyl)-butanedi-
amide;
- (2R,3S) N1-[6,7-dihydro-5-(3-phenoxybenzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(butyl)-butanedi-
amide;
- 10 (2R,3S) N1-[6,7-dihydro-5-(3-(4-methoxyphenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(butyl)-butanedi-
amide;
- (2R,3S) N1-[6,7-dihydro-5-(3-(4-trifluoromethylphenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(butyl)-butanedi-
15 amide;
- (2R,3S) N1-[6,7-dihydro-5-(3-(4-methylphenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(butyl)-butanedi-
amide;
- 20 (2R,3S) N1-[6,7-dihydro-5-(3-(2,4-dichlorophenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(butyl)-butanedi-
amide;
- (2R,3S) N1-[6,7-dihydro-5-(3-(3-chloro-4-fluorophenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(butyl)-butanedi-
25 amide;
- (2R,3S) N1-[6,7-dihydro-5-(benzophenon-3-yl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(butyl)-butanedi-
amide;
- (2R,3S) N1-[6,7-dihydro-5-(3-(2-naphthyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(butyl)-butanedi-
30 amide;
- (2R,3S) N1-[6,7-dihydro-5-(3-phenoxybenzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopropylmethyl)-3-(propyl)-butanedi-
amide;
- 35 (2R,3S) N1-[6,7-dihydro-5-(3-(4-methoxyphenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopropylmethyl)-3-(propyl)-butanedi-
amide;

- (2R,3S) N1-[6,7-dihydro-5-(3-(4-trifluoromethylphenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopropylmethyl)-3-(propyl)-butanediamide;
- 5 (2R,3S) N1-[6,7-dihydro-5-(3-(4-methylphenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopropylmethyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(3-(2,4-dichlorophenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopropylmethyl)-3-(propyl)-butanediamide;
- 10 (2R,3S) N1-[6,7-dihydro-5-(3-(3-chloro-4-fluorophenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopropylmethyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(benzophenon-3-yl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopropylmethyl)-3-(propyl)-butanediamide;
- 15 (2R,3S) N1-[6,7-dihydro-5-(3-(2-naphthyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopropylmethyl)-3-(propyl)-butanediamide;
- 20 (2R,3S) N1-[6,7-dihydro-5-(3-phenoxybenzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopropylmethyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(3-(4-methoxyphenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopropylmethyl)-3-(allyl)-butanediamide;
- 25 (2R,3S) N1-[6,7-dihydro-5-(3-(4-trifluoromethylphenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopropylmethyl)-3-(allyl)-butanediamide;
- 30 (2R,3S) N1-[6,7-dihydro-5-(3-(4-methylphenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopropylmethyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(3-(2,4-dichlorophenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopropylmethyl)-3-(allyl)-butanediamide;
- 35 (2R,3S) N1-[6,7-dihydro-5-(3-(3-chloro-4-fluorophenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopropylmethyl)-3-(allyl)-butanediamide;

- (2R,3S) N1-[6,7-dihydro-5-(benzophenon-3-yl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopropylmethyl)-3-(allyl)-butanediamide;
- 5 (2R,3S) N1-[6,7-dihydro-5-(3-(2-naphthyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopropylmethyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(3-phenoxybenzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopropylmethyl)-3-(butyl)-butanediamide;
- 10 (2R,3S) N1-[6,7-dihydro-5-(3-(4-methoxyphenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopropylmethyl)-3-(butyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(3-(4-trifluoromethylphenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopropylmethyl)-3-(butyl)-butanediamide;
- 15 (2R,3S) N1-[6,7-dihydro-5-(3-(4-methylphenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopropylmethyl)-3-(butyl)-butanediamide;
- 20 (2R,3S) N1-[6,7-dihydro-5-(3-(2,4-dichlorophenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopropylmethyl)-3-(butyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(3-(3-chloro-4-fluorophenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopropylmethyl)-3-(butyl)-butanediamide;
- 25 (2R,3S) N1-[6,7-dihydro-5-(benzophenon-3-yl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopropylmethyl)-3-(butyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(3-(2-naphthyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopropylmethyl)-3-(butyl)-butanediamide;
- 30 (2R,3S) N1-[6,7-dihydro-5-(3-phenoxybenzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclobutylmethyl)-3-(propyl)-butanediamide;
- 35 (2R,3S) N1-[6,7-dihydro-5-(3-(4-methoxyphenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclobutylmethyl)-3-(propyl)-butanediamide;

- (2R,3S) N1-[6,7-dihydro-5-(3-(4-trifluoromethylphenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclobutylmethyl)-3-(propyl)-butanediamide;
- 5 (2R,3S) N1-[6,7-dihydro-5-(3-(4-methylphenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclobutylmethyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(3-(2,4-dichlorophenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclobutylmethyl)-3-
- 10 (propyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(3-(3-chloro-4-fluorophenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclobutylmethyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(benzophenon-3-yl)-6-oxo-5H-
- 15 dibenz[b,d]azepin-7-yl]-2-(cyclobutylmethyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(3-(2-naphthyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclobutylmethyl)-3-(propyl)-
- 20 butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(3-phenoxybenzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclobutylmethyl)-3-(allyl)-
- butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(3-(4-methoxyphenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclobutylmethyl)-3-
- 25 (allyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(3-(4-trifluoromethylphenyl)benzyl)-6-oxo-5H-
- dibenz[b,d]azepin-7-yl]-2-(cyclobutylmethyl)-3-(allyl)-
- butanediamide;
- 30 (2R,3S) N1-[6,7-dihydro-5-(3-(4-methylphenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclobutylmethyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(3-(2,4-dichlorophenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclobutylmethyl)-3-
- 35 (allyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(3-(3-chloro-4-fluorophenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclobutylmethyl)-3-(allyl)-butanediamide;

- (2R,3S) N1-[6,7-dihydro-5-(benzophenon-3-yl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclobutylmethyl)-3-(allyl)-butanediamide;
- 5 (2R,3S) N1-[6,7-dihydro-5-(3-(2-naphthyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclobutylmethyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(3-phenoxybenzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclobutylmethyl)-3-(butyl)-butanediamide;
- 10 (2R,3S) N1-[6,7-dihydro-5-(3-(4-methoxyphenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclobutylmethyl)-3-(butyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(3-(4-trifluoromethylphenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclobutylmethyl)-3-(butyl)-butanediamide;
- 15 (2R,3S) N1-[6,7-dihydro-5-(3-(4-methylphenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclobutylmethyl)-3-(butyl)-butanediamide;
- 20 (2R,3S) N1-[6,7-dihydro-5-(3-(2,4-dichlorophenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclobutylmethyl)-3-(butyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(3-(3-chloro-4-fluorophenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclobutylmethyl)-3-(butyl)-butanediamide;
- 25 (2R,3S) N1-[6,7-dihydro-5-(benzophenon-3-yl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclobutylmethyl)-3-(butyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(3-(2-naphthyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclobutylmethyl)-3-(butyl)-butanediamide;
- 30 (2R,3S) N1-[6,7-dihydro-5-(3-phenoxybenzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopentylmethyl)-3-(propyl)-butanediamide;
- 35 (2R,3S) N1-[6,7-dihydro-5-(3-(4-methoxyphenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopentylmethyl)-3-(propyl)-butanediamide;

- (2R,3S) N1-[6,7-dihydro-5-(3-(4-trifluoromethylphenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopentylmethyl)-3-(propyl)-butanediamide;
- 5 (2R,3S) N1-[6,7-dihydro-5-(3-(4-methylphenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopentylmethyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(3-(2,4-dichlorophenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopentylmethyl)-3-(propyl)-butanediamide;
- 10 (2R,3S) N1-[6,7-dihydro-5-(3-(3-chloro-4-fluorophenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopentylmethyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(benzophenon-3-yl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopentylmethyl)-3-(propyl)-butanediamide;
- 15 (2R,3S) N1-[6,7-dihydro-5-(3-(2-naphthyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopentylmethyl)-3-(propyl)-butanediamide;
- 20 (2R,3S) N1-[6,7-dihydro-5-(3-phenoxybenzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopentylmethyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(3-(4-methoxyphenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopentylmethyl)-3-(allyl)-butanediamide;
- 25 (2R,3S) N1-[6,7-dihydro-5-(3-(4-trifluoromethylphenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopentylmethyl)-3-(allyl)-butanediamide;
- 30 (2R,3S) N1-[6,7-dihydro-5-(3-(4-methylphenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopentylmethyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(3-(2,4-dichlorophenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopentylmethyl)-3-(allyl)-butanediamide;
- 35 (2R,3S) N1-[6,7-dihydro-5-(3-(3-chloro-4-fluorophenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopentylmethyl)-3-(allyl)-butanediamide;

- (2R,3S) N1-[6,7-dihydro-5-(benzophenon-3-yl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopentylmethyl)-3-(allyl)-butanedi-
amide;
- 5 (2R,3S) N1-[6,7-dihydro-5-(3-(2-naphthyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopentylmethyl)-3-(allyl)-butanedi-
amide;
- (2R,3S) N1-[6,7-dihydro-5-(3-phenoxybenzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopentylmethyl)-3-(butyl)-
butanedi-
amide;
- 10 (2R,3S) N1-[6,7-dihydro-5-(3-(4-methoxyphenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopentylmethyl)-3-(butyl)-butanedi-
amide;
- (2R,3S) N1-[6,7-dihydro-5-(3-(4-trifluoromethylphenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopentylmethyl)-3-(butyl)-
butanedi-
amide;
- 15 (2R,3S) N1-[6,7-dihydro-5-(3-(4-methylphenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopentylmethyl)-3-(butyl)-butanedi-
amide;
- (2R,3S) N1-[6,7-dihydro-5-(3-(2,4-dichlorophenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopentylmethyl)-3-(butyl)-butanedi-
amide;
- 20 (2R,3S) N1-[6,7-dihydro-5-(3-(3-chloro-4-fluorophenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopentylmethyl)-3-(butyl)-butanedi-
amide;
- 25 (2R,3S) N1-[6,7-dihydro-5-(benzophenon-3-yl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopentylmethyl)-3-(butyl)-butanedi-
amide; and
- (2R,3S) N1-[6,7-dihydro-5-(3-(2-naphthyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopentylmethyl)-3-(butyl)-butanedi-
amide.
- 30 (2R,3S) N1-[6,7-dihydro-5-(benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(propyl)-butanedi-
amide;
- 35 (2R,3S) N1-[6,7-dihydro-5-(phenethyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(propyl)-butanedi-
amide;

- (2R,3S) N1-[6,7-dihydro-5-((4-fluorophenyl)methyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 5 (2R,3S) N1-[6,7-dihydro-5-(cyclopropylmethyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(cyclobutylmethyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 10 (2R,3S) N1-[6,7-dihydro-5-(cyclopentylmethyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(cyclohexylmethyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 15 (2R,3S) N1-[6,7-dihydro-5-(cyclopropylethyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(cyclobutylethyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 20 (2R,3S) N1-[6,7-dihydro-5-(cyclopentylethyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 25 (2R,3S) N1-[6,7-dihydro-5-(cyclohexylethyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- 30 (2R,3S) N1-[6,7-dihydro-5-(phenethyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-((4-fluorophenyl)methyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- 35

- (2R,3S) N1-[6,7-dihydro-5-(cyclopropylmethyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- 5 (2R,3S) N1-[6,7-dihydro-5-(cyclobutylmethyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(cyclopentylmethyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- 10 (2R,3S) N1-[6,7-dihydro-5-(cyclohexylmethyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(cyclopropylethyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- 15 (2R,3S) N1-[6,7-dihydro-5-(cyclobutylethyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(cyclopentylethyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- 20 (2R,3S) N1-[6,7-dihydro-5-(cyclohexylethyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide;
- 25 (2R,3S) N1-[6,7-dihydro-5-(phenethyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide;
- 30 (2R,3S) N1-[6,7-dihydro-5-((4-fluorophenyl)methyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(cyclopropylmethyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide;
- 35

- (2R,3S) N1-[6,7-dihydro-5-(cyclobutylmethyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide;
- 5 (2R,3S) N1-[6,7-dihydro-5-(cyclopentylmethyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(cyclohexylmethyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide;
- 10 (2R,3S) N1-[6,7-dihydro-5-(cyclopropylethyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(cyclobutylethyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide;
- 15 (2R,3S) N1-[6,7-dihydro-5-(cyclopentylethyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide; and
- (2R,3S) N1-[6,7-dihydro-5-(cyclohexylethyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide.
- 20

[17] In another even more preferred embodiment the present invention provides compounds of Formula (I) selected from:

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- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-phenoxybenzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(4-methoxyphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 30
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(4-trifluoromethylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 35
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(4-methylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-

- benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-
butanediamide;
- 5 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(2,4-
dichlorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-
benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-
butanediamide;
- 10 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(3-chloro-4-
fluorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-
benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-
butanediamide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(benzophenon-3-yl)-2-oxo-
5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-
methylpropyl)-3-(propyl)-butanediamide;
- 15 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(2-naphthyl)benzyl)-2-
oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-
methylpropyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-phenoxybenzyl)-2-oxo-
5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-
methylpropyl)-3-(allyl)-butanediamide;
- 20 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(4-
methoxyphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-
benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-
butanediamide;
- 25 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(4-
trifluoromethylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-
benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-
butanediamide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(4-
methylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-
benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-
butanediamide;
- 30 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(2,4-
dichlorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-
benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-
butanediamide;
- 35 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(3-chloro-4-
fluorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-

- benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-
butanediamide;
- 5 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(2-naphthyl)benzyl)-2-
oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-
methylpropyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-phenoxybenzyl)-2-oxo-
5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-
methylpropyl)-3-(butyl)-butanediamide;
- 10 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(4-
methoxyphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-
benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-
butanediamide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(4-
trifluoromethylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-
15 benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-
butanediamide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(4-
methylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-
benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-
20 butanediamide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(2,4-
dichlorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-
benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-
butanediamide;
- 25 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(3-chloro-4-
fluorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-
benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-
butanediamide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(benzophenon-3-yl)-2-oxo-
30 5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-
methylpropyl)-3-(butyl)-butanediamide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(2-naphthyl)benzyl)-2-
oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-
methylpropyl)-3-(butyl)-butanediamide;
- 35 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-phenoxybenzyl)-2-oxo-
5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-
(cyclopropylmethyl)-3-(propyl)-butanediamide;

- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(4-methoxyphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(cyclopropylmethyl)-3-(propyl)-butanediamide;
- 5 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(4-trifluoromethylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(cyclopropylmethyl)-3-(propyl)-butanediamide;
- 10 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(4-methylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(cyclopropylmethyl)-3-(propyl)-butanediamide;
- 15 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(2,4-dichlorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(cyclopropylmethyl)-3-(propyl)-butanediamide;
- 20 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(3-chloro-4-fluorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(cyclopropylmethyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(benzophenon-3-yl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(cyclopropylmethyl)-3-(propyl)-butanediamide;
- 25 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(2-naphthyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(cyclopropylmethyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-phenoxybenzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(cyclopropylmethyl)-3-(allyl)-butanediamide;
- 30 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(4-methoxyphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(cyclopropylmethyl)-3-(allyl)-butanediamide;
- 35 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(4-trifluoromethylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(cyclopropylmethyl)-3-(allyl)-butanediamide;

- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(4-methylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(cyclopropylmethyl)-3-(allyl)-butanedi-
amide;
- 5 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(2,4-dichlorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(cyclopropylmethyl)-3-(allyl)-butanedi-
amide;
- 10 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(3-chloro-4-fluorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(cyclopropylmethyl)-3-(allyl)-butanedi-
amide;
- 15 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(benzophenon-3-yl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(cyclopropylmethyl)-3-(allyl)-butanedi-
amide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(2-naphthyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(cyclopropylmethyl)-3-(allyl)-butanedi-
amide;
- 20 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-phenoxybenzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(cyclopropylmethyl)-3-(butyl)-butanedi-
amide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(4-methoxyphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(cyclopropylmethyl)-3-(butyl)-
butanedi-
25 amide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(4-trifluoromethylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(cyclopropylmethyl)-3-(butyl)-
butanedi-
amide;
- 30 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(4-methylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(cyclopropylmethyl)-3-(butyl)-
butanedi-
amide;
- 35 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(2,4-dichlorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(cyclopropylmethyl)-3-(butyl)-
butanedi-
amide;

- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(3-chloro-4-fluorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(cyclopropylmethyl)-3-(butyl)-butanedi-
amide;
- 5 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(benzophenon-3-yl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(cyclopropylmethyl)-3-(butyl)-butanedi-
amide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(2-naphthyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(cyclopropylmethyl)-3-(butyl)-butanedi-
10 (cyclopropylmethyl)-3-(butyl)-butanedi-
amide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-phenoxybenzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(cyclobutylmethyl)-3-(propyl)-butanedi-
amide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(4-methoxyphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(cyclobutylmethyl)-3-(propyl)-
15 butanedi-
amide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(4-trifluoromethylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(cyclobutylmethyl)-3-(propyl)-
20 butanedi-
amide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(4-methylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(cyclobutylmethyl)-3-(propyl)-
25 butanedi-
amide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(2,4-dichlorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(cyclobutylmethyl)-3-(propyl)-
butanedi-
amide;
- 30 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(3-chloro-4-fluorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(cyclobutylmethyl)-3-(propyl)-
butanedi-
amide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(benzophenon-3-yl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(cyclobutylmethyl)-3-(propyl)-butanedi-
35 (cyclobutylmethyl)-3-(propyl)-butanedi-
amide;

- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(2-naphthyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(cyclobutylmethyl)-3-(propyl)-butanediamide;
- 5 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-phenoxybenzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(cyclobutylmethyl)-3-(allyl)-butanediamide;
- 10 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(4-methoxyphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(cyclobutylmethyl)-3-(allyl)-butanediamide;
- 15 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(4-trifluoromethylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(cyclobutylmethyl)-3-(allyl)-butanediamide;
- 20 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(4-methylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(cyclobutylmethyl)-3-(allyl)-butanediamide;
- 25 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(2,4-dichlorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(cyclobutylmethyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(3-chloro-4-fluorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(cyclobutylmethyl)-3-(allyl)-butanediamide;
- 30 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(benzophenon-3-yl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(cyclobutylmethyl)-3-(allyl)-butanediamide;
- 35 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(2-naphthyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(cyclobutylmethyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-phenoxybenzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(cyclobutylmethyl)-3-(butyl)-butanediamide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(4-methoxyphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-

- benzodiazepin-3-yl]-2-(cyclobutylmethyl)-3-(butyl)-
butanediamide;
- 5 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(4-
trifluoromethylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-
benzodiazepin-3-yl]-2-(cyclobutylmethyl)-3-(butyl)-
butanediamide;
- 10 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(4-
methylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-
benzodiazepin-3-yl]-2-(cyclobutylmethyl)-3-(butyl)-
butanediamide;
- 15 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(2,4-
dichlorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-
benzodiazepin-3-yl]-2-(cyclobutylmethyl)-3-(butyl)-
butanediamide;
- 20 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(3-chloro-4-
fluorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-
benzodiazepin-3-yl]-2-(cyclobutylmethyl)-3-(butyl)-
butanediamide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(benzophenon-3-yl)-2-oxo-
5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-
(cyclobutylmethyl)-3-(butyl)-butanediamide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(2-naphthyl)benzyl)-2-
oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-
(cyclobutylmethyl)-3-(butyl)-butanediamide;
- 25 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-phenoxybenzyl)-2-oxo-
5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-
(cyclopentylmethyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(4-
methoxyphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-
30 benzodiazepin-3-yl]-2-(cyclopentylmethyl)-3-(propyl)-
butanediamide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(4-
trifluoromethylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-
benzodiazepin-3-yl]-2-(cyclopentylmethyl)-3-(propyl)-
35 butanediamide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(4-
methylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-

- benzodiazepin-3-yl]-2-(cyclopentylmethyl)-3-(propyl)-
butanediamide;
- 5 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(2,4-
dichlorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-
benzodiazepin-3-yl]-2-(cyclopentylmethyl)-3-(propyl)-
butanediamide;
- 10 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(3-chloro-4-
fluorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-
benzodiazepin-3-yl]-2-(cyclopentylmethyl)-3-(propyl)-
butanediamide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(benzophenon-3-yl)-2-oxo-
5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-
(cyclopentylmethyl)-3-(propyl)-butanediamide;
- 15 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(2-naphthyl)benzyl)-2-
oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-
(cyclopentylmethyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-phenoxybenzyl)-2-oxo-
5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-
(cyclopentylmethyl)-3-(allyl)-butanediamide;
- 20 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(4-
methoxyphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-
benzodiazepin-3-yl]-2-(cyclopentylmethyl)-3-(allyl)-
butanediamide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(4-
25 trifluoromethylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-
benzodiazepin-3-yl]-2-(cyclopentylmethyl)-3-(allyl)-
butanediamide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(4-
methylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-
30 benzodiazepin-3-yl]-2-(cyclopentylmethyl)-3-(allyl)-
butanediamide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(2,4-
dichlorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-
benzodiazepin-3-yl]-2-(cyclopentylmethyl)-3-(allyl)-
35 butanediamide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(3-chloro-4-
fluorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-

- benzodiazepin-3-yl]-2-(cyclopentylmethyl)-3-(allyl)-
butanediamide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(benzophenon-3-yl)-2-oxo-
5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-
5 (cyclopentylmethyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(2-naphthyl)benzyl)-2-
oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-
(cyclopentylmethyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-phenoxybenzyl)-2-oxo-
10 5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-
(cyclopentylmethyl)-3-(butyl)-butanediamide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(4-
methoxyphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-
benzodiazepin-3-yl]-2-(cyclopentylmethyl)-3-(butyl)-
15 butanediamide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(4-
trifluoromethylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-
benzodiazepin-3-yl]-2-(cyclopentylmethyl)-3-(butyl)-
butanediamide;
- 20 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(4-
methylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-
benzodiazepin-3-yl]-2-(cyclopentylmethyl)-3-(butyl)-
butanediamide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(2,4-
25 dichlorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-
benzodiazepin-3-yl]-2-(cyclopentylmethyl)-3-(butyl)-
butanediamide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(3-chloro-4-
fluorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-
30 benzodiazepin-3-yl]-2-(cyclopentylmethyl)-3-(butyl)-
butanediamide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(benzophenon-3-yl)-2-oxo-
5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-
(cyclopentylmethyl)-3-(butyl)-butanediamide; and
- 35 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(2-naphthyl)benzyl)-2-
oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-
(cyclopentylmethyl)-3-(butyl)-butanediamide;

- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 5 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(phenethyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-((4-fluorophenyl)methyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 10 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(cyclopropylmethyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(cyclobutylmethyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 15 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(cyclopentylmethyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(cyclohexylmethyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 20 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(cyclopropylethyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(cyclobutylethyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 25 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(cyclopentylethyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 30 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(cyclohexylethyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- 35

- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(phenethyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanedi-
amide;
- 5 (2R,3S) N1-[1,3,4,5-tetrahydro-1-((4-fluorophenyl)methyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanedi-
amide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(cyclopropylmethyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanedi-
amide;
- 10 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(cyclobutylmethyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanedi-
amide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(cyclopentylmethyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanedi-
amide;
- 15 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(cyclohexylmethyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanedi-
amide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(cyclopropylethyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanedi-
amide;
- 20 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(cyclobutylethyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanedi-
amide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(cyclopentylethyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanedi-
amide;
- 25 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(cyclohexylethyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanedi-
amide;
- 30 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanedi-
amide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(phenethyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanedi-
amide;
- 35

- (2R,3S) N1-[1,3,4,5-tetrahydro-1-((4-fluorophenyl)methyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanedi-
amide;
- 5 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(cyclopropylmethyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanedi-
amide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(cyclobutylmethyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanedi-
amide;
- 10 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(cyclopentylmethyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanedi-
amide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(cyclohexylmethyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanedi-
15 methylpropyl)-3-(butyl)-butanedi-
amide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(cyclopropylethyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanedi-
amide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(cyclobutylethyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanedi-
20 methylpropyl)-3-(butyl)-butanedi-
amide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(cyclopentylethyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanedi-
amide; and
- 25 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(cyclohexylethyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanedi-
amide.

[18] In another even more preferred embodiment the
30 present invention provides compounds of Formula (I) selected
from:

- (2R,3S) N1-[(3S)-hexahydro-1-(3,3-diphenylpropyl)-2-oxo-1H-azepin-3-yl]-N4-(hydroxy)-2-(2-methylpropyl)-3-(propyl)-butanedi-
amide;
- 35 (2R,3S) N1-[(3S)-hexahydro-1-(3-phenoxybenzyl)-2-oxo-1H-azepin-3-yl]-N4-(hydroxy)-2-(2-methylpropyl)-3-(propyl)-butanedi-
amide;

- (2R,3S) N1-[(3S)-hexahydro-1-(phenyl)-2-oxo-1H-azepin-3-yl]-N4-(hydroxy)-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 5 (2R,3S) N1-[(3S)-hexahydro-1-(3-phenoxybenzyl)-2-oxo-1H-azepin-3-yl]-N4-(methyl)-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-phenoxybenzyl)-2-oxo-1H-azepin-3-yl]-N4-(methoxy)-N4-(methyl)-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 10 (2R,3S) N1-[(3S)-hexahydro-1-(3-phenoxybenzyl)-2-oxo-1H-azepin-3-yl]-N4-(methoxy)-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-phenoxybenzyl)-2-oxo-1H-azepin-3-yl]-N4-(amino)-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 15 (2R,3S) N1-[(3S)-hexahydro-1-(3-phenoxybenzyl)-2-oxo-1H-azepin-3-yl]-N4-(hydroxy)-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-(2,4-dichlorophenyl)benzyl)-2-oxo-1H-azepin-3-yl]-N4-(hydroxy)-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 20 (2R,3S) N1-[(3S)-hexahydro-1-(3-(4-fluorophenyl)benzyl)-2-oxo-1H-azepin-3-yl]-N4-(hydroxy)-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-(4-methylphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-N4-(hydroxy)-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 25 (2R,3S) N1-[(3S)-hexahydro-1-(3-(4-methoxyphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-N4-(hydroxy)-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 30 (2R,3S) N1-[(3S)-hexahydro-1-(3-(3-methylphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-N4-(hydroxy)-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-(3-chloro-4-fluorophenyl)benzyl)-2-oxo-1H-azepin-3-yl]-N4-(hydroxy)-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 35

- (2R,3S) N1-[(3S)-hexahydro-1-(3-(4-trifluoromethylphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-N4-(hydroxy)-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 5 (2R,3S) N1-[(3S)-hexahydro-1-(3-(3-methoxyphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-N4-(hydroxy)-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-(3-fluorophenyl)benzyl)-2-oxo-1H-azepin-3-yl]-N4-(hydroxy)-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 10 (2R,3S) N1-[(3S)-hexahydro-1-(3-(2-methoxyphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-N4-(hydroxy)-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-(2-naphthyl)benzyl)-2-oxo-1H-azepin-3-yl]-N4-(hydroxy)-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 15 (2R,3S) N1-[(3S)-hexahydro-1-(3-phenoxybenzyl)-2-oxo-1H-azepin-3-yl]-N4-(butyl)-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-phenoxybenzyl)-2-oxo-1H-azepin-3-yl]-N4-(2-furylmethyl)-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 20 (2R,3S) N1-[(3S)-hexahydro-1-(3-phenoxybenzyl)-2-oxo-1H-azepin-3-yl]-N4-(cyclopentyl)-2-(2-methylpropyl)-3-(propyl)-butanediamide; and
- 25 (2R,3S) N1-[(3S)-hexahydro-1-(3-phenoxybenzyl)-2-oxo-1H-azepin-3-yl]-N4-(cinnamyl)-2-(2-methylpropyl)-3-(propyl)-butanediamide.

30 In another preferred embodiment of the present invention, Q is N(OH)H.

In another preferred embodiment of the present invention, Q is NH₂.

35 In another preferred embodiment

R³ is R⁴,

R^{3a} is H, methyl, ethyl, propyl, or butyl;

R⁴ is C₁-C₆ alkyl, C₂-C₆ alkenyl, C₂-C₆ alkynyl

5 R⁵ is C₁-C₆ alkyl, C₂-C₆ alkenyl, C₂-C₆ alkynyl

R^{5a} is H, methyl, ethyl, propyl, or butyl; and

10 the total number of carbon atoms in R³, R^{3a}, R⁵ and R^{5a} equals
seven or more.

In another preferred embodiment

R³ is R⁴;

15

R^{3a} is H;

R⁴ is C₁-C₄ alkyl substituted with 1-2 R^{4a},

20 R^{4a}, at each occurrence, is independently selected from
C₃-C₆ cycloalkyl substituted with 0-3 R^{4b},
phenyl substituted with 0-3 R^{4b}, or
5 to 6 membered heterocycle substituted with 0-3 R^{4b};

25 R^{4b}, at each occurrence, is independently selected from H,
OH, Cl, F, NR¹⁵R¹⁶, CF₃, acetyl, SCH₃, S(=O)CH₃,
S(=O)₂CH₃, methyl, ethyl, propyl, butyl, methoxy,
ethoxy, propoxy, C₁-C₂ haloalkyl, and C₁-C₂ haloalkoxy;

30 R⁵ is C₂-C₄ alkyl substituted with 0-3 R^{5b};
C₂-C₄ alkenyl substituted with 0-2 R^{5b}; or
C₂-C₄ alkynyl substituted with 0-2 R^{5b};

35 R^{5b}, at each occurrence, is independently selected from:
H, methyl, ethyl, propyl, butyl, CF₃, OR¹⁴, =O;
C₃-C₆ cycloalkyl substituted with 0-2 R^{5c};
phenyl substituted with 0-3 R^{5c}; or

5 to 6 membered heterocycle substituted with 0-2 R^{5c};
and

5 R^{5c}, at each occurrence, is independently selected from H,
OH, Cl, F, NR¹⁵R¹⁶, CF₃, acetyl, SCH₃, S(=O)CH₃,
S(=O)₂CH₃, methyl, ethyl, propyl, butyl, methoxy,
ethoxy, propoxy, C₁-C₂ haloalkyl, and C₁-C₂ haloalkoxy.

In another preferred embodiment

10

R³ is R⁴;

R^{3a} is H;

15 R⁴ is C₂-C₄ alkyl substituted with 0-2 R^{4a},
C₂-C₄ alkenyl substituted with 0-2 R^{4a},
C₂-C₄ alkynyl substituted with 0-2 R^{4a},

20 R^{4a}, at each occurrence, is independently selected from is H,
F, CF₃,
C₃-C₆ cycloalkyl substituted with 0-3 R^{4b},
phenyl substituted with 0-3 R^{4b}, or
5 to 6 membered heterocycle substituted with 0-3 R^{4b};

25 R^{4b}, at each occurrence, is independently selected from H,
OH, Cl, F, NR¹⁵R¹⁶, CF₃, acetyl, SCH₃, S(=O)CH₃,
S(=O)₂CH₃, methyl, ethyl, propyl, butyl, methoxy,
ethoxy, propoxy, C₁-C₂ haloalkyl, and C₁-C₂ haloalkoxy;

30 R⁵ is C₁-C₄ alkyl substituted with 1-2 R^{5b};

R^{5b}, at each occurrence, is independently selected from:

C₃-C₆ cycloalkyl substituted with 0-2 R^{5c};
phenyl substituted with 0-3 R^{5c}; or
35 5 to 6 membered heterocycle substituted with 0-2 R^{5c};
and

R^{5c}, at each occurrence, is independently selected from H, OH, Cl, F, NR¹⁵R¹⁶, CF₃, acetyl, SCH₃, S(=O)CH₃, S(=O)₂CH₃, methyl, ethyl, propyl, butyl, methoxy, ethoxy, propoxy, C₁-C₂ haloalkyl, and C₁-C₂ haloalkoxy.

5

In another preferred embodiment

W is -(CH₂)_p-;

10

p is 1, 2, or 3;

X is a bond;

phenyl substituted with 0-2 R^{Xb};

C₃-C₆ cycloalkyl substituted with 0-2 R^{Xb}; or

15

5 to 6 membered heterocycle substituted with 0-2 R^{Xb};
wherein the 5 to 6 membered heterocycle does not contain
an oxo or imino substituted ring atom; and

20

R^{Xb}, at each occurrence, is independently selected from H,
OH, Cl, F, NR¹⁵R¹⁶, CF₃, acetyl, SCH₃, S(=O)CH₃,
S(=O)₂CH₃, methyl, ethyl, propyl, butyl, methoxy,
ethoxy, propoxy, C₁-C₂ haloalkyl, and C₁-C₂ haloalkoxy.

25

In another preferred embodiment when R¹ is H, R² is
hydroxy, and R¹¹ is H, then X is not a bond.

30

It is understood that any and all embodiments of the
present invention may be taken in conjunction with any other
embodiment to describe additional even more preferred
embodiments of the present invention.

In a second embodiment, the present invention provides a pharmaceutical composition comprising a compound of Formula (I) and a pharmaceutically acceptable carrier.

35

In a third embodiment, the present invention provides a method for the treatment of neurological disorders associated with β -amyloid production comprising administering to a host

in need of such treatment a therapeutically effective amount of a compound of Formula (I).

5 In a preferred embodiment the neurological disorder associated with β -amyloid production is Alzheimer's Disease.

10 In a fourth embodiment, the present invention provides a method for the treatment of neurological disorders associated with β -amyloid production comprising administering to a host in need of such treatment a therapeutically effective amount of a metalloprotease inhibitor which inhibits γ -secretase activity.

15 In a preferred embodiment the neurological disorder associated with β -amyloid production is Alzheimer's Disease.

In a preferred embodiment, the metalloprotease inhibitor is a hydroxamic acid.

20 In a more preferred embodiment, the metalloprotease inhibitor is a hydroxamic acid with an IC_{50} value of less than 10 μM in the A β immunoprecipitation assay.

25 In a fifth embodiment, the present invention provides a method for inhibiting γ -secretase activity for the treatment of a physiological disorder associated with inhibiting γ -secretase activity comprising administering to a host in need of such inhibition a therapeutically effective amount of a compound of Formula (I) that inhibits γ -secretase activity.

30

In a preferred embodiment the physiological disorder associated with inhibiting γ -secretase activity is Alzheimer's Disease.

35 In a sixth embodiment, the present invention provides a compound of Formula (I) for use in therapy.

In a preferred embodiment the present invention provides a compound of Formula (I) for use in therapy of Alzheimer's Disease.

- 5 In a seventh embodiment, the present invention provides for the use of a compound of Formula (I) for the manufacture of a medicament for the treatment of Alzheimer's Disease.

DEFINITIONS

- 10 As used herein, the term "A β " denotes the protein designated A β , β -amyloid peptide, and sometimes β /A4, in the art. A β is an approximately 4.2 kilodalton (kD) protein of about 39 to 43 amino acids found in amyloid plaques, the walls of meningeal and parenchymal arterioles, small
15 arteries, capillaries, and sometimes, venules. The isolation and sequence data for the first 28 amino acids are described in U.S. Pat. No 4,666,829. The 43 amino acid sequence is:

1	Asp	Ala	Glu	Phe	Arg	His	Asp	Ser	Gly	Tyr
11	Glu	Val	His	His	Gln	Lys	Leu	Val	Phe	Phe
21	Ala	Glu	Asp	Val	Gly	Ser	Asn	Lys	Gly	Ala
31	Ile	Ile	Gly	Leu	Met	Val	Gly	Gly	Val	Val
41	Ile	Ala	Thr.							

- 20 However, a skilled artisan knows that fragments generated by enzymatic degradation can result in loss of amino acids 1-10 and/or amino acids 39-43. Thus, an amino acid sequence 1-43 represents the maximum sequence of amino acids for A β peptide.

- 25 The term "APP", as used herein, refers to the protein known in the art as β amyloid precursor protein. This protein is the precursor for A β and through the activity of "secretase" enzymes, as used herein, it is processed into A β .

Differing secretase enzymes, known in the art, have been designated β secretase, generating the N-terminus of A β , α secretase cleaving around the 16/17 peptide bond in A β , and "gamma secretases", as used herein, generating C-terminal A β fragments ending at position 38, 39, 40, 41, 42, and 43 or generating C-terminal extended precursors which are subsequently truncated to the above polypeptides.

The compounds herein described may have asymmetric centers. Compounds of the present invention containing an asymmetrically substituted atom may be isolated in optically active or racemic forms. It is well known in the art how to prepare optically active forms, such as by resolution of racemic forms or by synthesis from optically active starting materials. Many geometric isomers of olefins, C=N double bonds, and the like can also be present in the compounds described herein, and all such stable isomers are contemplated in the present invention. Cis and trans geometric isomers of the compounds of the present invention are described and may be isolated as a mixture of isomers or as separated isomeric forms. All chiral, diastereomeric, racemic forms and all geometric isomeric forms of a structure are intended, unless the specific stereochemistry or isomeric form is specifically indicated.

The term "substituted," as used herein, means that any one or more hydrogens on the designated atom is replaced with a selection from the indicated group, provided that the designated atom's normal valency is not exceeded, and that the substitution results in a stable compound. When a substituent is keto (i.e., =O), then 2 hydrogens on the atom are replaced.

When any variable (e.g., R^{5b}) occurs more than one time in any constituent or formula for a compound, its definition at each occurrence is independent of its definition at every other occurrence. Thus, for example, if a group is shown to be substituted with 0-2 R^{5b}, then said group may optionally be substituted with up to two R^{5b} groups and R^{5b} at each occurrence is selected independently from the definition of R^{5b}. Also, combinations of substituents and/or variables are

permissible only if such combinations result in stable compounds.

When a bond to a substituent is shown to cross a bond connecting two atoms in a ring, then such substituent may be bonded to any atom on the ring. When a substituent is listed without indicating the atom via which such substituent is bonded to the rest of the compound of a given formula, then such substituent may be bonded via any atom in such substituent. Combinations of substituents and/or variables are permissible only if such combinations result in stable compounds.

As used herein, "alkyl" or "alkylene" is intended to include both branched and straight-chain saturated aliphatic hydrocarbon groups having the specified number of carbon atoms; for example, "C₁-C₆ alkyl" denotes alkyl having 1 to 6 carbon atoms. Examples of alkyl include, but are not limited to, methyl, ethyl, n-propyl, i-propyl, n-butyl, i-butyl, sec-butyl, t-butyl, pentyl, and hexyl. Preferred "alkyl" group, unless otherwise specified, is "C₁-C₄ alkyl".

As used herein, "alkenyl" or "alkenylene" is intended to include hydrocarbon chains of either a straight or branched configuration and one or more unsaturated carbon-carbon bonds which may occur in any stable point along the chain. Examples of "C₂-C₆ alkenyl" include, but are not limited to, ethenyl, 1-propenyl, 2-propenyl, 1-butenyl, 2-butenyl, 3-butenyl, 3-methyl-2-butenyl, 2-pentenyl, 3-pentenyl, hexenyl, and the like.

As used herein, "alkynyl" or "alkynylene" is intended to include hydrocarbon chains of either a straight or branched configuration and one or more carbon-carbon triple bonds which may occur in any stable point along the chain, such as ethynyl, 1-propynyl, 2-propynyl, 1-butyne, 2-butyne, 3-butyne, and the like.

"Alkoxy" or "alkyloxy" represents an alkyl group as defined above with the indicated number of carbon atoms attached through an oxygen bridge. Examples of alkoxy include, but are not limited to, methoxy, ethoxy, n-propoxy, i-propoxy, n-butoxy, s-butoxy, t-butoxy, n-pentoxy, and

s-pentoxy. Preferred alkoxy groups are methoxy, ethoxy, n-propoxy, i-propoxy, n-butoxy, s-butoxy, t-butoxy. Similarly, "alkylthio" or "thioalkoxy" is represents an alkyl group as defined above with the indicated number of carbon atoms attached through a sulphur bridge.

"Halo" or "halogen" as used herein refers to fluoro, chloro, bromo, and iodo. Unless otherwise specified, preferred halo is fluoro and chloro. "Counterion" is used to represent a small, negatively charged species such as chloride, bromide, hydroxide, acetate, sulfate, and the like.

"Haloalkyl" is intended to include both branched and straight-chain saturated aliphatic hydrocarbon groups having the specified number of carbon atoms, substituted with 1 or more halogen (for example $-C_vF_w$ where $v = 1$ to 3 and $w = 1$ to $(2v+1)$). Examples of haloalkyl include, but are not limited to, trifluoromethyl, trichloromethyl, pentafluoroethyl, pentachloroethyl, 2,2,2-trifluoroethyl, 2,2-difluoroethyl, heptafluoropropyl, and heptachloropropyl. "Haloalkoxy" is intended to mean a haloalkyl group as defined above with the indicated number of carbon atoms attached through an oxygen bridge; for example trifluoromethoxy, pentafluoroethoxy, 2,2,2-trifluoroethoxy, and the like. "Halothioalkoxy" is intended to mean a haloalkyl group as defined above with the indicated number of carbon atoms attached through a sulphur bridge.

"Cycloalkyl" is intended to include saturated ring groups, having the specified number of carbon atoms. For example, "C₃-C₆ cycloalkyl" denotes such as cyclopropyl, cyclobutyl, cyclopentyl, or cyclohexyl.

As used herein, "carbocycle" is intended to mean any stable 3- to 7-membered monocyclic or bicyclic or 7- to 13-membered bicyclic or tricyclic, any of which may be saturated, partially unsaturated, or aromatic. Examples of such carbocycles include, but are not limited to, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, cycloheptyl, adamantyl, cyclooctyl, [3.3.0]bicyclooctane, [4.3.0]bicyclononane, [4.4.0]bicyclodecane (decalin), [2.2.2]bicyclooctane, fluorenyl, phenyl, naphthyl, indanyl,

adamantyl, or tetrahydronaphthyl (tetralin). Preferred "carbocycle" are cyclopropyl, cyclobutyl, cyclopentyl, and cyclohexyl.

As used herein, the term "heterocycle" or "heterocyclic ring" is intended to mean a stable 5- to 7- membered monocyclic or bicyclic or 7- to 14-membered bicyclic heterocyclic ring which is saturated partially unsaturated or unsaturated (aromatic), and which consists of carbon atoms and 1, 2, 3 or 4 heteroatoms, preferably 1, 2, or 3 heteroatoms, independently selected from the group consisting of N, O and S and including any bicyclic group in which any of the above-defined heterocyclic rings is fused to a benzene ring. The nitrogen and sulfur heteroatoms may optionally be oxidized. The heterocyclic ring may be attached to its pendant group at any heteroatom or carbon atom which results in a stable structure. The heterocyclic rings described herein may be substituted on carbon or on a nitrogen atom if the resulting compound is stable. If specifically noted, a nitrogen in the heterocycle may optionally be quaternized. It is preferred that when the total number of S and O atoms in the heterocycle exceeds 1, then these heteroatoms are not adjacent to one another. It is preferred that the total number of S and O atoms in the heterocycle is not more than 1.

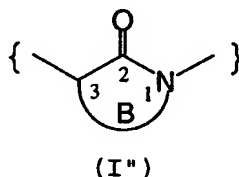
Examples of heterocycles include, but are not limited to, 1H-indazole, 2-pyrrolidonyl, 2H,6H-1,5,2-dithiazinyl, 2H-pyrrolyl, 3H-indolyl, 4-piperidonyl, 4aH-carbazole, 4H-quinolizinyl, 6H-1,2,5-thiadiazinyl, acridinyl, azocinyl, benzimidazolyl, benzofuranyl, benzothiofuranyl, benzothiophenyl, benzoxazolyl, benzthiazolyl, benztriazolyl, benztetrazolyl, benzisoxazolyl, benzisothiazolyl, benzimidazalonyl, carbazolyl, 4aH-carbazolyl, b-carbolinyl, chromanyl, chromenyl, cinnolinyl, decahydroquinolinyl, 2H,6H-1,5,2-dithiazinyl, dihydrofuro[2,3-b]tetrahydrofuran, furanyl, furazanyl, imidazolidinyl, imidazoliny, imidazolyl, 1H-indazolyl, indolenyl, indolinyl, indolizinyl, indolyl, isobenzofuranyl, isochromanyl, isoindazolyl, isoindolinyl, isoindolyl, isoquinolinyl, isothiazolyl, isoxazolyl,

morpholinyl, naphthyridinyl, octahydroisoquinolinyl, oxadiazolyl, 1,2,3-oxadiazolyl, 1,2,4-oxadiazolyl, 1,2,5-oxadiazolyl, 1,3,4-oxadiazolyl, oxazolidinyl, oxazolyl, oxazolidinylperimidinyl, phenanthridinyl, phenanthrolinyl, 5 phenarsazinyl, phenazinyl, phenothiazinyl, phenoxathiinyl, phenoxazinyl, phthalazinyl, piperazinyl, piperidinyl, pteridinyl, piperidonyl, 4-piperidonyl, pteridinyl, purinyl, pyranyl, pyrazinyl, pyrazolidinyl, pyrazolinyl, pyrazolyl, pyridazinyl, pyridooxazole, pyridoimidazole, pyridothiazole, 10 pyridinyl, pyridyl, pyrimidinyl, pyrrolidinyl, pyrrolinyl, pyrrolyl, quinazolinyl, quinolinyl, 4H-quinoliziny, quinoxalinyl, quinuclidinyl, carbolinyl, tetrahydrofuranyl, tetrahydroisoquinolinyl, tetrahydroquinolinyl, 6H-1,2,5-thiadiazinyl, 1,2,3-thiadiazolyl, 15 1,2,4-thiadiazolyl, 1,2,5-thiadiazolyl, 1,3,4-thiadiazolyl, thianthrenyl, thiazolyl, thienyl, thienothiazolyl, thienooxazolyl, thienoimidazolyl, thiophenyl, triazinyl, 1,2,3-triazolyl, 1,2,4-triazolyl, 1,2,5-triazolyl, 1,3,4-triazolyl, xanthenyl. Preferred 5 to 10 membered 20 heterocycles include, but are not limited to, pyridinyl, pyrimidinyl, triazinyl, furanyl, thienyl, thiazolyl, pyrrolyl, pyrazolyl, imidazolyl, oxazolyl, isoxazolyl, tetrazolyl, benzofuranyl, benzothiofuranyl, indolyl, benzimidazolyl, 1H-indazolyl, oxazolidinyl, isoxazolidinyl, 25 benzotriazolyl, benzisoxazolyl, oxindolyl, benzoxazoliny, quinolinyl, and isoquinolinyl. Preferred 5 to 6 membered heterocycles include, but are not limited to, pyridinyl, pyrimidinyl, triazinyl, furanyl, thienyl, thiazolyl, pyrrolyl, piperazinyl, piperidinyl, pyrazolyl, imidazolyl, 30 oxazolyl, isoxazolyl, tetrazolyl; more preferred 5 to 6 membered heterocycles include, but are not limited to, pyridinyl, pyrimidinyl, triazinyl, furanyl, thienyl, thiazolyl, piperazinyl, piperidinyl, pyrazolyl, imidazolyl, and tetrazolyl. Also included are fused ring and spiro 35 compounds containing, for example, the above heterocycles.

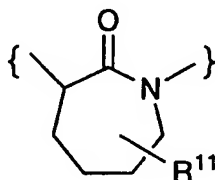
As used herein, the term "aryl", "C₆-C₁₀ aryl" or aromatic residue, is intended to mean an aromatic moiety containing the specified number of carbon atoms; for example

- phenyl, pyridinyl or naphthyl. Unless otherwise specified, "aryl" may be unsubstituted or substituted with 0 to 3 groups selected from H, OH, OCH₃, Cl, F, Br, I, CN, NO₂, NH₂, N(CH₃)H, N(CH₃)₂, CF₃, OCF₃, C(=O)CH₃, SCH₃, S(=O)CH₃, S(=O)₂CH₃, CH₃, CH₂CH₃, CO₂H, and CO₂CH₃.

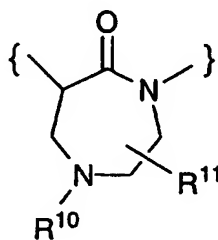
The phrase "additional lactam carbons", as used herein, is intended to denote the number of optional carbon atoms in the lactam ring B of Formula (I). Formula (I"):



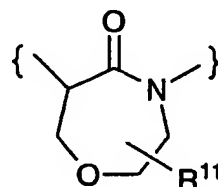
- represents the lactam ring B of Formula (I). Additional lactam carbons are carbons in lactam ring B other than the carbons numbered 2 and 3 in the backbone of the formula. The additional lactam carbons may be optionally replaced by a heteroatom selected from oxygen, nitrogen and sulfur. Lactam ring B contains 1, 2, 3, 4, 5, 6 or 7 optional carbons, wherein one optional carbon may optionally be replaced by a heteroatom, such that the total number of members of lactam ring B, including atoms numbered 1, 2 and 3 in the backbone, does not exceed 10. It is preferred that the total number of atoms of lactam ring B is 6, 7 or 8; it is more preferred that the total number of atoms of lactam ring B is seven. Examples of lactam ring B include:



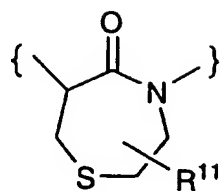
B1



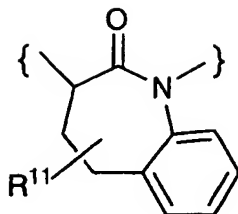
B2



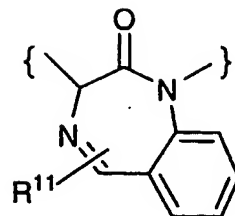
B3



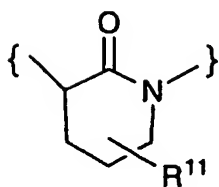
B4



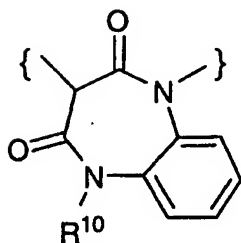
B5



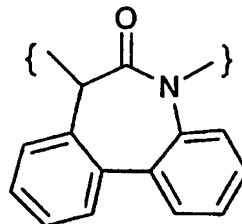
B6



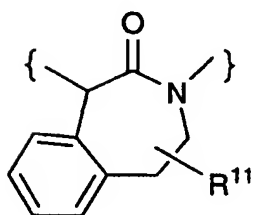
B7



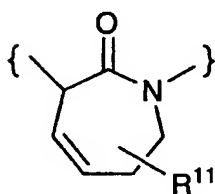
B8



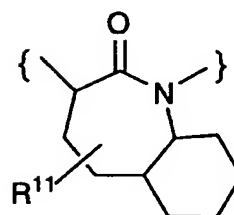
B9



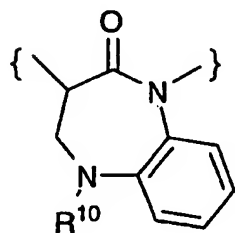
B10



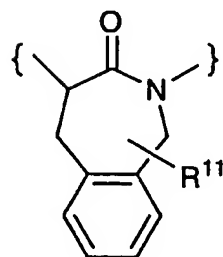
B11



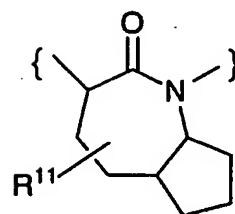
B12



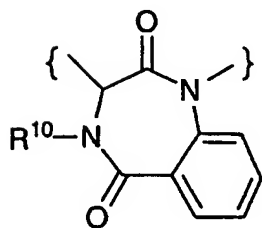
B13



B14



B15



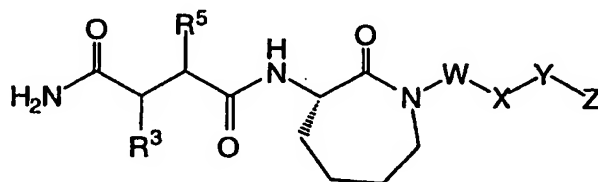
B16

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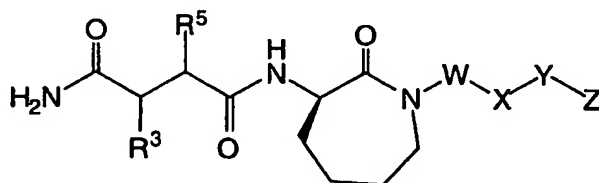
10

but are not intended to limit the invention. Preferred examples of lactam ring B are B1, B2, B5, B6, B8, B9, B13, and B16; more preferred examples of lactam ring B are B1, B6, B8, B9, and B13. Preferred examples of substituent R¹⁰ or
5 R¹¹ on lactam B are methyl, ethyl, phenyl, 4-fluorophenyl, 4-chlorophenyl, 4-trifluorophenyl, (4-fluorophenyl)methyl, (4-chlorophenyl)methyl, and (4-trifluorophenyl)methyl.

The compounds herein described may have asymmetric centers. One enantiomer of a compound of Formula (I) may
10 display superior chemical activity over the opposite enantiomer. For example carbon 3 of lactam ring B Formula (I") may exist in either an S or R configuration. Thus, an R or S configuration at carbon 3 in Formula (I") is considered part of the invention. An example of such configuration
15 includes,



and



but is not intended to be limited to this example of ring B. When required, separation of the racemic material can be
25 achieved by methods known in the art. Additionally, the carbon atoms to which R³ and R⁵ are attached may describe chiral carbons which may display superior chemical activity over the opposite enantiomer. For example, where R³ and R⁵ are not H, then the configuration of the two centers may be
30 described as (2R,3R), (2R,3S), (2S,3R), or (2S,3S). All configurations are considered part of the invention; however,

the (2R,3S) and the (2S,3R) are preferred and the (2R,3S) is more preferred.

The phrase "pharmaceutically acceptable" is employed herein to refer to those compounds, materials, compositions, and/or dosage forms which are, within the scope of sound medical judgment, suitable for use in contact with the tissues of human beings and animals without excessive toxicity, irritation, allergic response, or other problem or complication, commensurate with a reasonable benefit/risk ratio.

As used herein, "pharmaceutically acceptable salts" refer to derivatives of the disclosed compounds wherein the parent compound is modified by making acid or base salts thereof. Examples of pharmaceutically acceptable salts include, but are not limited to, mineral or organic acid salts of basic residues such as amines; alkali or organic salts of acidic residues such as carboxylic acids; and the like. The pharmaceutically acceptable salts include the conventional non-toxic salts or the quaternary ammonium salts of the parent compound formed, for example, from non-toxic inorganic or organic acids. For example, such conventional non-toxic salts include those derived from inorganic acids such as hydrochloric, hydrobromic, sulfuric, sulfamic, phosphoric, nitric and the like; and the salts prepared from organic acids such as acetic, propionic, succinic, glycolic, stearic, lactic, malic, tartaric, citric, ascorbic, pamoic, maleic, hydroxymaleic, phenylacetic, glutamic, benzoic, salicylic, sulfanilic, 2-acetoxybenzoic, fumaric, toluenesulfonic, methanesulfonic, ethane disulfonic, oxalic, isethionic, and the like.

The pharmaceutically acceptable salts of the present invention can be synthesized from the parent compound which contains a basic or acidic moiety by conventional chemical methods. Generally, such salts can be prepared by reacting the free acid or base forms of these compounds with a stoichiometric amount of the appropriate base or acid in water or in an organic solvent, or in a mixture of the two; generally, nonaqueous media like ether, ethyl acetate,

ethanol, isopropanol, or acetonitrile are preferred. Lists of suitable salts are found in *Remington's Pharmaceutical Sciences*, 17th ed., Mack Publishing Company, Easton, PA, 1985, p. 1418, the disclosure of which is hereby
5 incorporated by reference.

"Prodrugs" are intended to include any covalently bonded carriers which release the active parent drug according to formula (I) in vivo when such prodrug is administered to a mammalian subject. Prodrugs of a compound of formula (I) are
10 prepared by modifying functional groups present in the compound in such a way that the modifications are cleaved, either in routine manipulation or in vivo, to the parent compound. Prodrugs include compounds of formula (I) wherein a hydroxy, amino, or sulfhydryl group is bonded to any group
15 that, when the prodrug or compound of formula (I) is administered to a mammalian subject, cleaves to form a free hydroxyl, free amino, or free sulfhydryl group, respectively. Examples of prodrugs include, but are not limited to, acetate, formate and benzoate derivatives of alcohol and
20 amine functional groups in the compounds of formula (I), and the like.

"Stable compound" and "stable structure" are meant to indicate a compound that is sufficiently robust to survive isolation to a useful degree of purity from a reaction
25 mixture, and formulation into an efficacious therapeutic agent.

SYNTHESIS

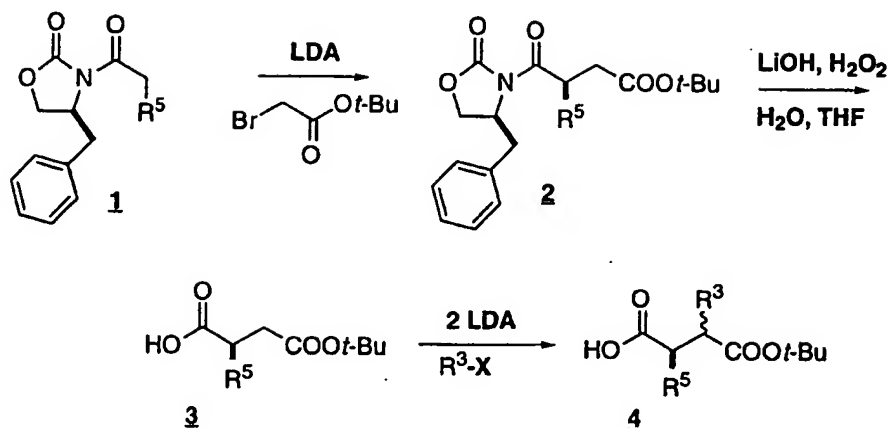
The compounds of the present invention can be prepared
30 in a number of ways well known to one skilled in the art of organic synthesis. The compounds of the present invention can be synthesized using the methods described below, together with synthetic methods known in the art of synthetic organic chemistry, or variations thereon as appreciated by
35 those skilled in the art. Preferred methods include, but are not limited to, those described below. All references cited herein are hereby incorporated in their entirety herein by reference.

The novel compounds of this invention may be prepared using the reactions and techniques described in this section. The reactions are performed in solvents appropriate to the reagents and materials employed and are suitable for the transformations being effected. Also, in the description of the synthetic methods described below, it is to be understood that all proposed reaction conditions, including choice of solvent, reaction atmosphere, reaction temperature, duration of the experiment and workup procedures, are chosen to be the conditions standard for that reaction, which should be readily recognized by one skilled in the art. It is understood by one skilled in the art of organic synthesis that the functionality present on various portions of the molecule must be compatible with the reagents and reactions proposed. Such restrictions to the substituents which are compatible with the reaction conditions will be readily apparent to one skilled in the art and alternate methods must then be used.

Methods for the synthesis of succinylamino lactams are known in the art and are disclosed in a number of references including PCT publication number WO 96/29313, which is hereby incorporated by reference.

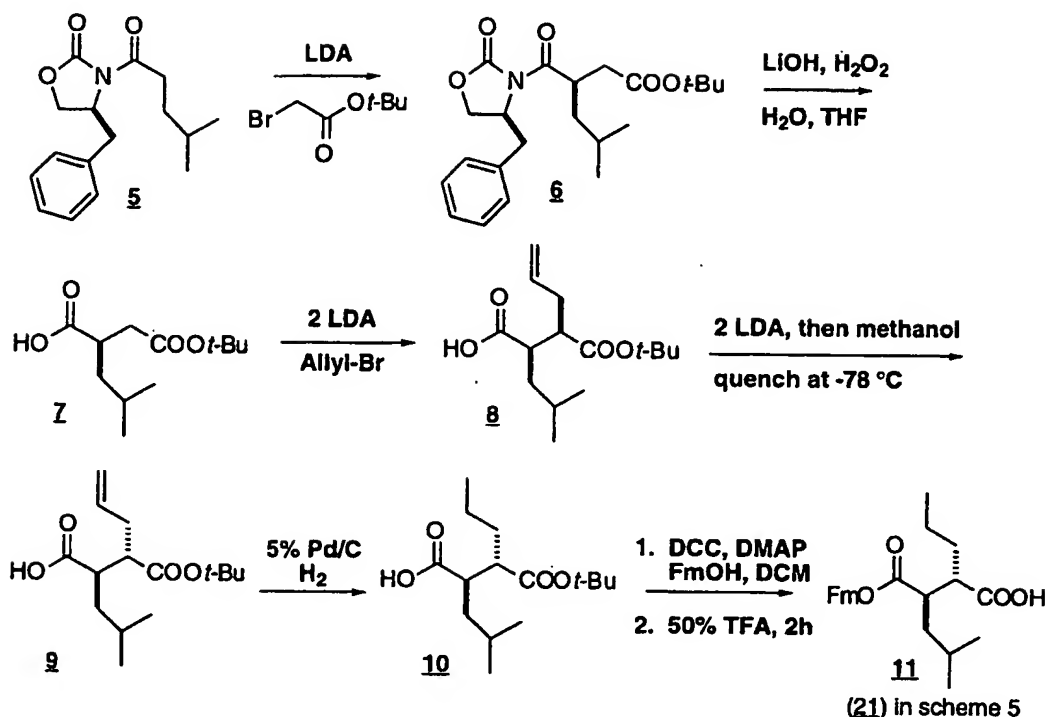
Disubstituted succinate derivatives can be prepared by a number of known procedures. The procedure of Evans (D. A. Evans et al, *Org. Synth.* **86**, p83 (1990)) is outlined in Scheme 1 where acylation of an oxazolidinone with an acylating agent such as an acid chloride provides structures 1. Alkylation to form 2 followed by cleavage of the chiral auxiliary and subsequent alkylation of the dianion of the carboxylic acid 3 provides a variety of disubstituted succinates which can be separated and incorporated into structures of Formula (I) by those skilled in the art. Additional examples are found in P. Becket, M. J. Crimmin, M. H. Davis, Z. Spavold, Synlett, (1993), 137-138, incorporated herein by reference.

Scheme 1



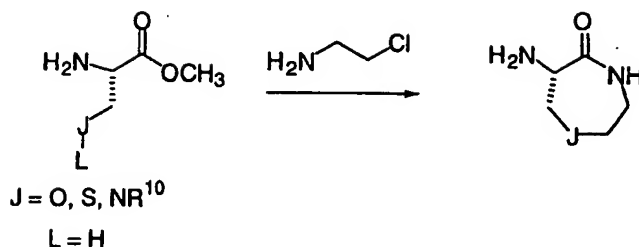
- 5 Diastereomerically pure succinate derivatives can be accessed using the chemistry outlined below, adapted from P. Becket, M. J. Crimmin, M. H. Davis, Z. Spavold, Synlett, (1993), 137-138 incorporated herein by reference. This reference provides the synthesis below to obtain compound **9**.
- 10 Compound **11** is used as an intermediate and is prepared from **9** by hydrogenation of the allyl group followed by coupling of 9-fluorenmethanol under standard conditions using DCC and DMAP in CH_2Cl_2 . Deprotection of the *tert*-butyl ester is accomplished by treatment with 50% trifluoroacetic acid.
- 15 Additional methods useful for the preparation of succinate derivatives are known by those skilled in the art. Such references include, McClure and Axt, Bioorganic & Medicinal Chemistry Letters, **8** (1998) 143-146; Jacobson and Reddy, Tetrahedron Letters, Vol 37, No. 46, 8263-8266 (1996);
- 20 Pratt et al., SYNLETT, May 1998, p. 531.

Scheme 2



5 A variety of compounds of Formula (I) can be prepared by
 methods described in Scheme 4. The protected α -amine 3 of
 the α -amino- ϵ -caprolactam can be prepared by methods well
 known in the literature for amino protecting groups as
 discussed in Theodora W. Greene's book "Protective Groups in
 10 Organic Synthesis", like *N*-Boc using di-*t*-butyldicarbonate in
 an appropriate solvent like DMSO. A sulfur atom can be
 introduced into the ring providing L- α -amino- β -thio- ϵ -
 caprolactam according to the procedure in S. A. Ahmed et al,
 FEBS Letters, (1984), vol. 174, pages 76-9 (Scheme 3). One
 15 skilled in the art can extend this methodology to the
 synthesis of β -amino and oxygen containing rings by analogy.
 The sulfur-containing molecules can also be oxidized to the
 sulfoxide and sulfone by methods known to one skilled in the
 art.

Scheme 3



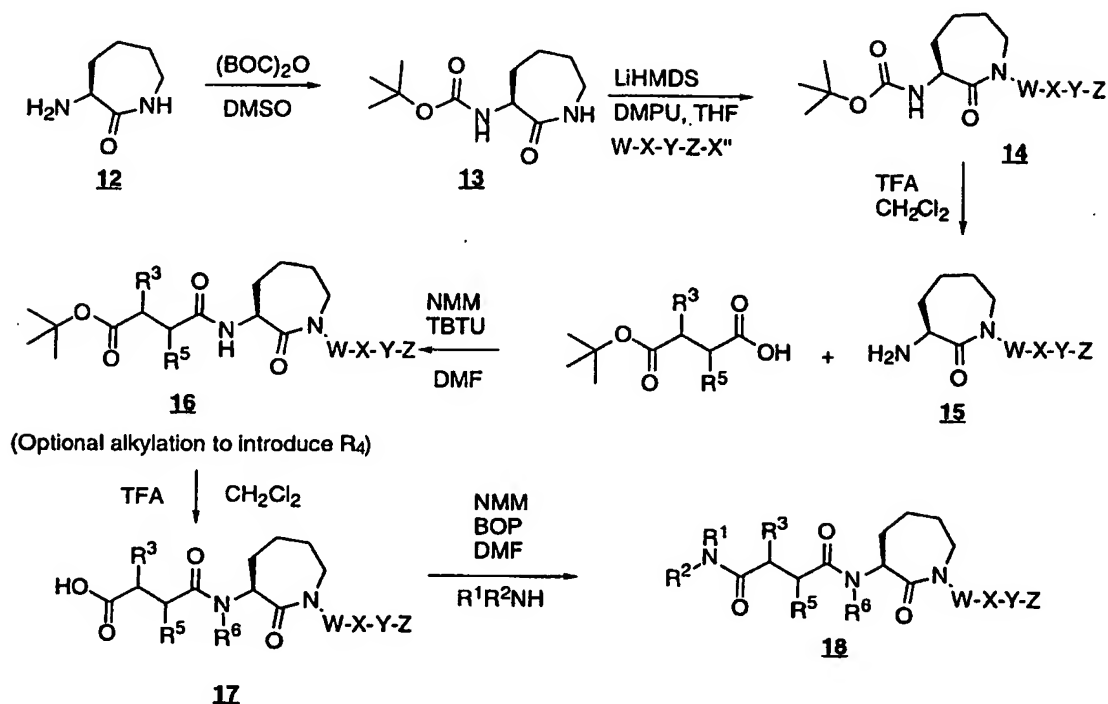
The lactam nitrogen of compound 13 can be alkylated by
 5 generating the anion with bases such as LDA, lithium
 bis(trimethylsilyl)amide or sodium hydride in solvents like
 THF, with or without cosolvents such as DMPU or HMPA and
 reacting this with a variety of groups containing leaving
 groups (X") like bromide, iodide, mesylate or tosylate.
 10 Alkylating agents such as α -bromo amides, ketones and acids
 can be prepared by a number of literature methods including
 halogenation of amino acids by diazotization or are
 commercially available. Other suitable alkylating agents
 such as alkyl, allylic and benzylic halides can be formed
 15 form a variety of precursors such as free-radical addition of
 halides or activation of alcohols, and other chemistries
 known to those skilled in the art. For discussion of these
 types of reactions, see Carey, F.A. and Sundberg, R. J.,
 Advanced Organic Chemistry, Part A, New York: Plenum Press,
 20 1990, pages 304-305, 342-347, 695-698.

The N-Boc protecting group can be removed by any number
 of methods well known in the literature like TFA in methylene
 chloride to give the compound 15. The amine 15 can be
 coupled to an appropriately substituted carboxylic acid or
 25 acid chloride by methods well described in the literature for
 making amide bonds, like TBTU in DMF with a base like NMM to
 give the elaborated compound 16. Compounds 16 can be
 alkylated using standard bases like LDA, NaH, or NaHMDS to
 deprotonate the amide followed by addition of an alkylating
 agent with an appropriate leaving group like halide,
 30 mesylate, or triflate in an appropriate solvent to provide
 compounds 17 with an R⁶ substituent. The t-butyl ester is

then removed by treatment with TFA in methylene chloride to give the carboxylic acid 17.

Scheme 4

5

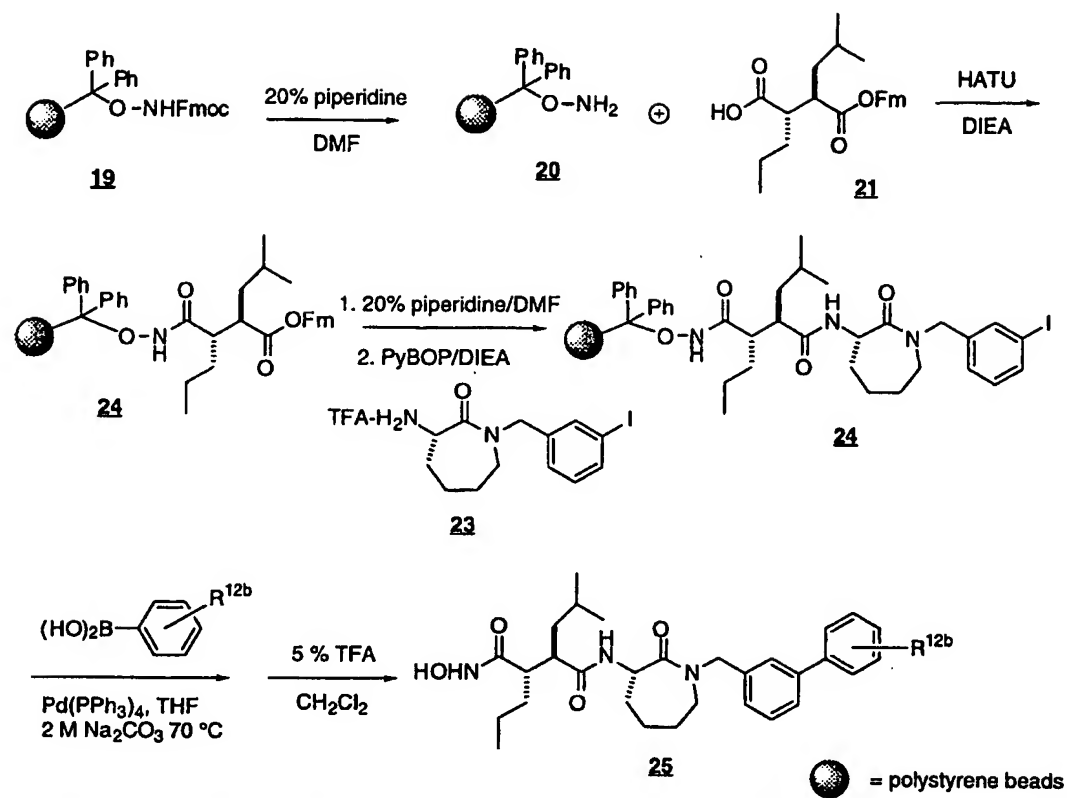


The final compounds 18 were prepared by treating the activated carboxylic acid of 17 with an appropriately substituted amine. For instance, activation of the carboxylic acid with HATU (O-(7-azabenzotriazol-1-yl)-1,1,3,3,-tetramethyluronium hexafluorophosphate) or PyBOP (benzotriazole-1-yl-oxy-tris-pyrrolidino-phosphonium hexafluorophosphate) or other coupling agents known to those skilled in the art allows condensation with ammonia to form primary amides. Similarly, condensation of the activated acid with hydroxylamine hydrochloride provides the hydroxamic acid, or reaction with a primary or secondary amine provides the substituted amine derivative. Activation of the acid with PyBrOP (bromo-tris-pyrrolidino-phosphonium hexafluorophosphate) followed by addition of an alcohol and 4-dimethylaminopyridine allows formation of the ester directly. For additional acylation reactions see for example

Carey, F.A. and Sundberg, R. J., Advanced Organic Chemistry, Part A, New York: Plenum Press, 1990, pages 475-479.

Additional Examples of compounds of Formula (I) can be prepared as shown in Scheme 5. A suitable resin for solid
5 phase synthesis such as Fmoc (Fluorenylmethylcarbonyl)-protected hydroxylamine bound to polystyrene beads can be purchased from Novabiochem, Inc. Deprotection of the Fmoc group under standard conditions using 20% piperidine in DMF provides trityl-linked hydroxylamine resin. Coupling of a
10 fluorenylmethyl-protected succinic acid derivative such as 20 with a coupling agent such as HATU in a suitable solvent like DMF or N-methylpyrrolidinone provides the support-bound hydroxamate 21. The Fluorenylmethyl ester can be removed using 20% piperidine in DMF to provide the free carboxylic
15 acid which can be coupled to amines like the caprolactam 22 (which is available using chemistry outlined in Scheme 4) using PyBOP (benzotriazole-1-yl-oxy-tris-pyrrolidino-phosphonium hexafluorophosphate) and a suitable base like DIEA in DMF or NMP. The support-bound intermediate 23 can
20 then be elaborated to biaryl structures of the type 24 using typical Suzuki coupling conditions employing a catalyst such as Palladium complexes like tetrakis(triphenylphosphine)-palladium with 2M aqueous sodium carbonate as a base in a suitable solvent like THF or DME and an excess of a boronic
25 acid. The final compounds are liberated from the support employing dilute (5%) trifluoroacetic acid in CH₂Cl₂ and purified by conventional chromatography.

Scheme 5



5

General procedure for solid-phase synthesis according to Scheme 5.

Resin 20 of Scheme 5: Fmoc-protected resin **19** (2.0 g, 0.78 mmol/g, 1.56 mmol) is purchased from Novabiochem and swelled in 20 mL of CH_2Cl_2 for 1 hour. The CH_2Cl_2 is removed and the resin is then treated with 25% v/v piperidine in DMF (8 mL) and allowed to shake slowly for 16 h. The solvent was removed by filtration and the resin was shaken with an additional 8 mL of 25% v/v piperidine in DMF for 2 h at rt. The solvents were removed by filtration, and the resin **20** was rinsed 3 x with 20 mL of DMF, 3 x with 20 mL of methanol, and 3 x with 20 mL of CH_2Cl_2 and dried in vacuo.

Succinate 10 of Scheme 2: Succinate **9** is prepared according to the literature procedure (P. Becket, M. J. Crimmin, M. H. Davis, Z. Spavold, Synlett, (1993), 137-138).

Succinate 9 (17.8 g, 66 mmol) is dissolved in 250 mL of ethyl acetate and placed in a Parr shaker bottle. To the solution is added 890 mg of 5% palladium on carbon, and the bottle is pressurized to 40 psi with hydrogen gas and shaken for 2.5 h at rt. The hydrogen is removed and the palladium catalyst is removed by filtration through a pad of celite. Concentration of the ethyl acetate solution provides 17.5 g (98%) of succinate 10. No further purification is necessary. MS (M-H)⁺ = 271.

Succinate 21 of Scheme 5: Succinate 10 (6.3 g, 23.1 mmol) is dissolved in 125 mL of CH₂Cl₂ and 4.8 g (23.3 mmol) of dicyclohexylcarbodiimide is added. The solution is stirred at rt for 30 min and then 4.6 g (23.4 mmol) of 9-fluorenemethanol is added followed by 122 mg (1 mmol) of 4-dimethylaminopyridine. After 5 h of stirring at rt, the reaction solution was diluted with an additional 100 mL of CH₂Cl₂ and filtered through a pad of celite to remove precipitated dicyclohexylurea. The solution was then washed 3 x with 50 mL of a 1N HCl solution, 3 x with 50 mL of a saturated sodium bicarbonate solution, and 2 x with 50 mL of brine. The crude product was dried over MgSO₄ and concentrated onto 15 g of silica gel. Chromatography eluting with a gradient of 2.5% to 5% ethyl acetate/hexanes provided 6.4 g (61%) of the diester as an oil. The purified diester (6.4 g 14.2 mmol) is then dissolved in 25 mL of CH₂Cl₂, 25 mL of trifluoroacetic acid is added, and the reaction solution is stirred at rt for 2 h. The reaction solution is directly concentrated in vacuo to an oil which is then redissolved in 25 mL of toluene and reconcentrated, followed by drying in vacuo to provide 6.3 g (98%) of the desired succinate 9 as an oil which solidifies on standing. MS (M+Na)⁺ = 471, (M+2Na)⁺ = 439.

Caprolactam 23 of Scheme 5: Boc-caprolactam 14 (5.0 g, 21.9 mmol) is dissolved in 60 mL of THF and chilled to -78°C. To the chilled solution is added 24 mL of a 1.0 M solution of lithium bis(trimethylsilyl)amide in THF, and the solution was brought to 0°C and stirred for 15 min. To the anion solution was added 6.5 g (22 mmol) of 3-iodobenzyl

bromide (Aldrich) and the the solution was allowed to warm to rt and stirred for 18 h. The reaction solution was diluted with 50 mL of water and extracted 3x with ethyl acetate. The combined organic layers were dried over MgSO_4 and

- 5 concentrated *in vacuo*. The crude product was purified by chromatography eluting with a gradient of 5-20% ethyl acetate/hexanes to afford 7.0 g (72%) of the title compound as a white solid. MS $(\text{M}+\text{Na})^+ = 467$.

- Resin 22 of Scheme 5:** Resin 22 (2.0 g, 0.78 mmol/g, 10 1.56 mmol) was swollen in 3 mL of DMF. In a separate flask, 1.85 g (4.68 mmol) of succinate 21 was dissolved in 3 mL of DMF and 2.5 mL of *N,N*-diisopropylethylamine (14 mmol) was added, followed by 1.81 g (4.68 mmol) of HATU. The solution containing the active ester was added to the slurried resin 15 and the reaction suspension was slowly shaken for 18 h. The resin was then washed 3 x with 20 mL of DMF, 3 x with 20 mL of methanol, and 3 x with 20 mL of CH_2Cl_2 . Loading of the resin was determined by Fmoc quantitation to be 0.25 mmol/g, see Reddy, M. P.; Voelker, P.J. *Int. J. Pept. Protein Res.* 20 1998, 31, 345-348.

- Resin 24 of Scheme 5:** Resin 22 (2.0 g , 0.25 mmol/g, 0.5 mmol) was suspended in 10 mL of 25% piperidine in DMF. The suspended resin was shaken for 30 min at rt, and then the resin was washed 3 x with 20 mL of DMF, 3 x with 20 25 mL of methanol, and 3 x with 20 mL of CH_2Cl_2 . Deprotected resin (1.0 g, 0.25 mmol) was swollen in 2 mL of DMF. To the slurry was added 650 mg (1.25 mmol) of PyBOP and 217 mL (1.25 mmol) of DIEA. Separately, 443 mg (0.97 mmol) of caprolactam 23 was dissolved in 2 mL of DMF and 436 mL (2.5 mmol) of DIEA 30 was added. The caprolactam solution was added to the resin slurry and the resin was mixed for 18 h at rt. The solvents were then removed and the coupling was repeated, with shaking at rt for 6 h. The resin was then washed 3 x with 10 mL of DMF, 3 x with 10 mL of methanol, and 3 x with 10 mL of 35 CH_2Cl_2 .

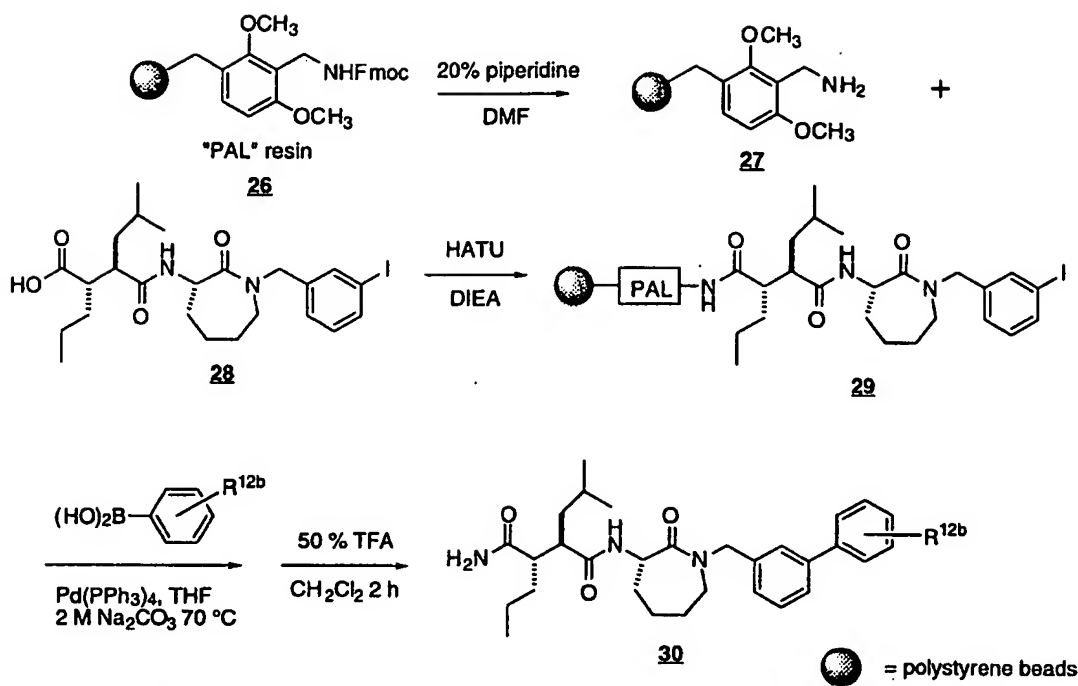
Products 25 of Scheme 5: A 70 mg (17.5 mmol) portion of resin 24 was suspended in 1 mL of THF in a screw-cap vial. To the slurry was added a boronic acid (0.15

mmol), 150 mL of a 2 M solution of sodium carbonate, and 15 mg (13 mmol) of tetrakis(triphenylphosphine)palladium. The vial was tightly closed and heated to 60°C for 16 h using a dry heater on a shaker table. The solvents were then removed
5 by filtration and the resin was washed 3 x with THF (2 mL), 3 x with methanol (2 mL), 3 x with water, and 3 x with CH₂Cl₂. The resins were then placed in a glass vial and cleaved with 1 mL of 5% trifluoroacetic acid in CH₂Cl₂ for 30 min. The solution was filtered off and the resin was washed with an
10 additional 2 mL of CH₂Cl₂ and the combined filtrates were evaporated to dryness to yield the crude products 25. The products were purified by chromatography eluting with 10-100% ethyl acetate in hexanes to yield 13.0 to 6.0 mg (14-60%) of the final products.

15

Additional Examples of compounds of Formula (I) can be prepared as shown in Scheme 6. A suitable resin for solid phase synthesis such as Fmoc (Fluorenylmethylcarbonyl)-protected peptide amide linker (PAL)-derivatized polystyrene
20 beads can be purchased from Perkin Elmer Biosystems, Inc. Deprotection of the Fmoc group under standard conditions using 20% piperidine in DMF provides the free benzylamine. Coupling of a succinic acid derivative such as 28 (which is available using chemistry outlined in Scheme 4) with a
25 coupling agent such as HATU in a suitable solvent like DMF or N-methylpyrrolidinone provides the support-bound amide 29. The support-bound intermediate 29 can then be elaborated to biaryl structures of the type 24 using typical Suzuki coupling conditions employing a catalyst such as Palladium
30 complexes like tetrakis(triphenylphosphine)-palladium with 2M aqueous sodium carbonate as a base in a suitable solvent like THF or DME and an excess of a boronic acid. The final compounds are liberated from the support employing 50% trifluoroacetic acid in CH₂Cl₂ and can be purified by
35 conventional chromatography or preparative HPLC.

Scheme 6



5 **General procedure for solid-phase synthesis according to Scheme 6**

Resin 27 of Scheme 6: Fmoc-protected PAL resin **26** (0.80 g, 0.50 mmol/g, 0.40 mmol) is purchased from Advanced Chemtech and swelled in 20 mL of CH_2Cl_2 for 1 hour. The
 10 CH_2Cl_2 is removed and the resin is then treated with 25% v/v piperidine in DMF (6 mL) and allowed to shake slowly for 1 h. The solvents were removed by filtration, and the resin **27** was rinsed 3 x with 20 mL of DMF, 3 x with 20 mL of methanol, and 3 x with 20 mL of CH_2Cl_2 . and dried in vacuo.

15 **Acid 28 of Scheme 6:** To a solution of 0.100 g (367 mmol) of succinate **10** dissolved in 2.0 mL of dry DMF was added 0.120 mL (1.10 mmol) of N-methylmorpholine. A second solution containing 0.139 g (0.403 mmol) of caprolactam **23** of Scheme 5 dissolved in 2.0 mL of DMF was then added. To the
 20 mixed solution was added 229 mg (0.440 mmol) of PyBop and the reaction solution was stirred for 16 h at rt. The reaction solution was diluted with water (20 mL) and extracted 3 x with 100 mL of ethyl acetate. The combined organic layers

were dried with Na_2SO_4 and concentrated under reduced pressure. The resulting oil was purified by chromatography eluting with a gradient of 5-20% ethyl acetate in hexanes to provide 0.195 g (0.360 mmol, 98%) of the *tert*-butyl ester of Acid 28 (MS $M+\text{Na}= 621$). The purified ester (0.195 g, 0.360 mmol) was dissolved in 10 mL of 25% trifluoroacetic acid in CH_2Cl_2 and stirred for 2 h at rt. The solvents were removed under reduced pressure and the acid was redissolved in 5 mL of toluene and reconcentrated 2 x to remove residual TFA.

10 The crude acid was found to be pure by ^1H NMR and was used in Scheme 6 without further purification.

Resin 29 of Scheme 6. Resin 27 (800 mg, 0.40 mmol) was solvated in 4.0 mL of dry DMF and 0.63 mL (3.6 mmol) of diisopropylethylamine was added followed by a solution of Acid 28 dissolved in 4 mL of DMF. To the slurry was then added 0.465 g (1.2 mmol) of HATU and the slurry was shaken for 26 h at rt. The solvents were removed by filtration, and the resin 29 was rinsed 3 x with 20 mL of DMF, 3 x with 20 mL of methanol, and 3 x with 20 mL of CH_2Cl_2 . and dried in vacuo.

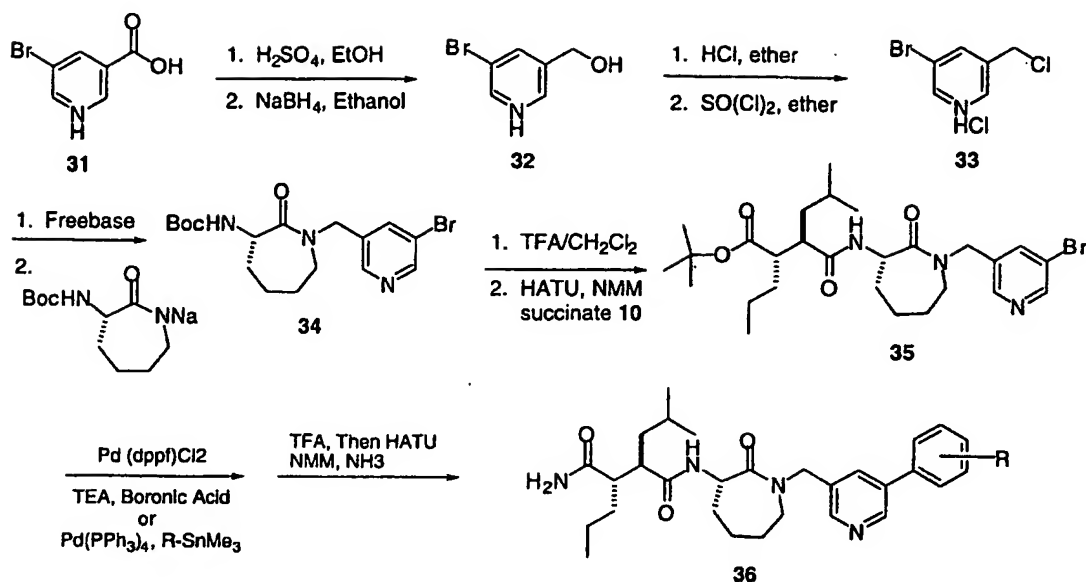
Products 30 of Scheme 6: A 75 mg (0.38 mmol/g, 28.8 μmol) portion of resin 24 was suspended in 1 mL of THF in a screw-cap vial. To the slurry was added a boronic acid (0.33 mmol), 150 mL of a 2 M solution of sodium carbonate, and 15 mg (13 mmol) of tetrakis(triphenylphosphine)palladium. The vial was tightly closed and heated to 60°C for 16 h using a dry heater on a shaker table. The solvents were then removed by filtration and the resin was washed 3 x with THF (2 mL), 3 x with methanol (2 mL), 3 x with water, and 3 x with CH_2Cl_2 .

30 The resins were then placed in a glass vial and cleaved with 1 mL of 5% trifluoroacetic acid in CH_2Cl_2 for 2 h. The solution was filtered off and the resin was washed with an additional 2 mL of CH_2Cl_2 and the combined filtrates were evaporated to dryness to yield the crude products 25. The

35 products were purified by chromatography eluting with 10-100% ethyl acetate in hexanes to yield 0.5 to 2.0 mg (14-60%) of the final products.

The internal phenyl ring can be exchanged for a pyridine ring using chemistry outlined in Scheme 7. The chloromethyl pyridine 33 is prepared using a known procedure reported in Nutaitis, Charles F.; Ledebor, Mark W. Org. Prep. Proced. Int. (1992), 24(2), 143-6 Incorporated herein by reference. After freebasing the pyridine, alkylation with the Boc-caprolactam provides pyridine intermediate 34, which can be elaborated to the protected amide 35 with succinate 10. Substitution can then be introduced using Suzuki methodology employing a palladium source such as tetrakis(triphenylphosphine) palladium(0) or bis(diphenylphosphinoferrocene) palladium(II) dichloride and a suitable base such as sodium carbonate or triethylamine in a solvent such as THF or toluene containing 10% methanol. Stille chemistry is also possible using a suitable palladium source such as tetrakis(triphenylphosphine)palladium(0) and an aryl or vinyl tin derivative in a solvent such as benzene, toluene, or xylenes. The tert-butyl ester is then deprotected under standard acidic conditions using trifluoroacetic acid and the amide is formed under standard conditions to provide products 36.

Scheme 7



5 **General procedure for synthesis according to Scheme 7**

The chloromethyl pyridine HCl salt **33** is prepared using a known procedure reported in Nutaitis, Charles F.; Ledebor, Mark W. Org. Prep. Proced. Int. (1992), 24(2), 143-6.

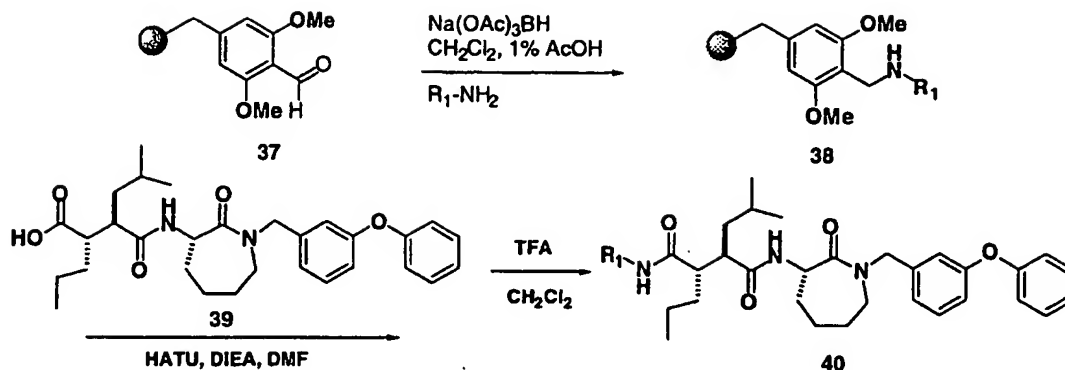
Caprolactam **34**: Pyridine HCl salt **33** (2.0 g, 8.3 mmol)
 10 is dissolved in 50 mL of a saturated NaHCO₃ solution and the solution is extracted with 30 mL of CH₂Cl₂ 3 x followed by concentration of the organic layers to provide the free base. Separately, 1.8 g (7.8 mmol) of caprolactam **13** is dissolved in 40 mL of dry THF and chilled to -78 °C. To the solution
 15 was added 8.7 mL of a 1M solution of sodium bis(trimethylsilyl) amide. The solution was brought to 0°C and stirred for 30 min. To the resultant anion was added a solution of 1.7 g (8.3 mmol) of pyridine **33** free base dissolved in 40 mL of THF. The resulting reaction solution
 20 was stirred at rt for 18 h and then heated to 50 °C and stirred an additional 3 h. The reaction solution was allowed to cool and then 50 mL of water was added and the aqueous layer was extracted 2 x with 100 mL of ethyl acetate. The combined organic layers were dried and concentrated under
 25 reduced pressure to provide the crude product which was

purified by chromatography eluting with 20 to 100% ethyl acetate in hexanes to provide 1.5 g (51%) of caprolactam 34 as an oil.

Amide 35: Caprolactam 34 (0.40 g, 1.0 mmol) is
5 dissolved in 20 mL of 50% trifluoroacetic acid in CH₂Cl₂ and stirred at rt for 30 min. The solvents were then removed under reduced pressure and the resulting oil was redissolved in 5 mL of toluene and reconstituted to remove residual TFA. Separately, 0.270 g (1.0 mmol) of succinate 10 was dissolved
10 in 5.0 mL of dry DMF and 0.44 mL (4 mmol) of *N*-methylmorpholine was added followed by 0.50 g (1.3 mmol) of HATU and the resulting solution was stirred at rt for 30 min. The crude deprotected caprolactam from above was dissolved in 5.0 mL of dry DMF and added to the succinate solution and the
15 resulting solution was heated to 50 °C and stirred for 2 days. The solution was then diluted with 20 mL of water and extracted with 3 50 mL portions of ethyl acetate. The combined organic layers were dried and concentrated under reduced pressure to provide an oil which was purified by
20 chromatography eluting with 20 to 50% ethyl acetate in hexanes to provide 0.40 g (70%) of the Amide 35.

Additional examples can be prepared by the method shown in Scheme 8. Coupling of an amine onto a commercially
25 available aldehyde-derived resin 37 under conditions for reductive amination such as sodium tris(acetoxy)borohydride in CH₂Cl₂ containing 1% acetic provides a support-bound amine 38. The carboxylic acid 39 can then be coupled to the support-bound amine generating an amide 40 which can be
30 liberated from the support employing trifluoroacetic acid in CH₂Cl₂.

Scheme 8



5 **General procedure for solid-phase synthesis according to Scheme 8**

Resin 38 of Scheme 5: Aldehyde-derived resin 37 (200 mg, 0.5 mmol/g, 0.1 mmol) is purchased from Perkin Elmer Biosystems and swelled in 3 ml of CH₂Cl₂ for 1 hour. An amine (1.0 mmol), sodium tris(acetoxy)borohydride (106 mg, 0.5 mmol) and acetic acid (30 μ L, 1%) are added and the reaction is shaken on a shaker table for 16 h at rt. The solvents were removed by filtration and the resin 38 was rinsed 3 x with 20 mL of DMF, 3 x with 20 mL of methanol, and 3 x with 20 mL of CH₂Cl₂. and dried in vacuo.

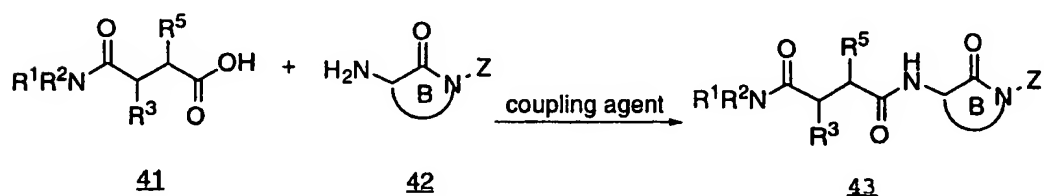
Products 40 of Scheme 8: Carboxylic acid 39 (23 mg, 0.045 mmol), diisopropylethylamine (13 μ L, 0.075 mmol) and HATU (17.1 mg, 0.045 mmol) were mixed in 0.5 mL of DMF for 30 min. Amine-derived resins 38 (30 mg, 0.015 mmol) were then added and the suspension was shaken at rt for 16 h. . The solvents were removed by filtration and the resins were rinsed 3 x with 20 mL of DMF, 3 x with 20 mL of methanol, and 3 x with 20 mL of CH₂Cl₂. The isolated resins were then cleaved by the addition of 0.50 mL of trifluoroacetic acid. The product solutions were concentrated and redissolved in 0.5 mL of methanol and reconcentrated 2x to remove residual TFA. Product yields ranged from 0-100% based on the structure of the amine.

The compounds of Formula (I) of the present invention can also be prepared from aminolactam 41 and succinic acid derivatives 42 using amide bond syntheses known in the art, including methods commonly used in peptide syntheses, such as

5 HATU, TBTU, BOP, pyBOP, EDC, CDI, DCC, hydroxysuccinimide, mixed carboxylic anhydride, and phenyl ester mediated couplings, as illustrated in Scheme 9 for the synthesis of aminolactam 43, an embodiment of the present invention.

10

Scheme 9



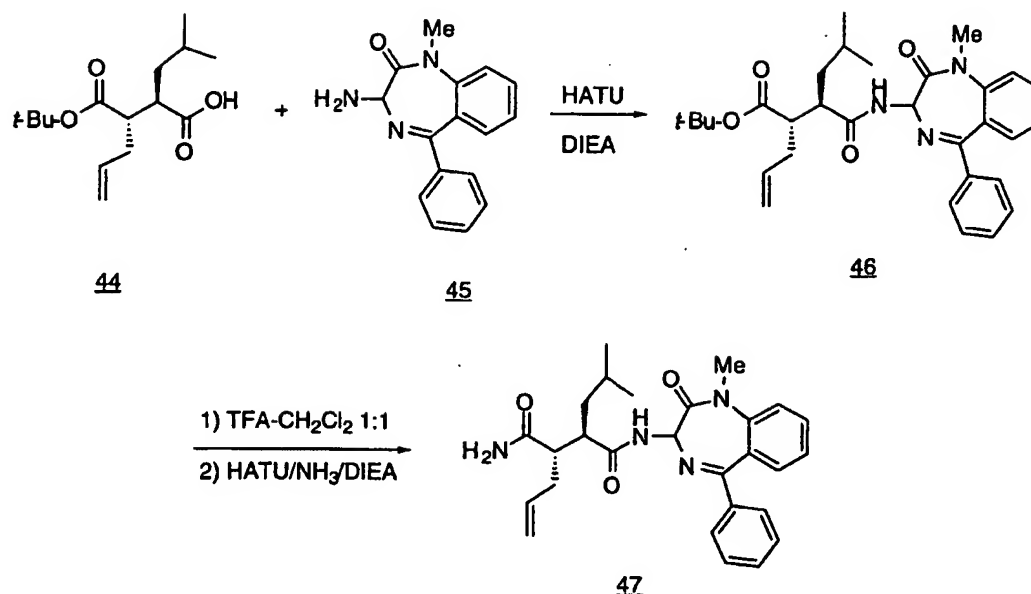
Depending on the structure of the final product, it is

15 appreciated by those skilled in the art that protecting groups or precursor functionality convertible to the desired groups may be desirable. Protecting groups and their use in synthesis are described in Green and Wuts, *Protective Groups in Organic Synthesis*, (Wiley 1991). The use of protecting

20 groups is further illustrated in Scheme 10, in which the succinate half-ester 44 (Becket et al., Synlett 1993, 137-138) is coupled to the aminobenzodiazepine 45 (Sherrill and Sugg, J. Org. Chem. 1995, 60, 730-734; Bock et al., J. Med. Chem., 1993, 36, 4276-4292) to give ester 46, followed by

25 conversion of the ester group to the primary amide 47.

Scheme 10



5 Methods for the synthesis of lactams as contemplated by the present invention in lactam ring B in Formula (I), including amino benzodiazepines, are known in the art and are disclosed in a number of references including PCT publication number WO 98/28268, which is hereby incorporated by
 10 reference. Additional references include Bock, et al, J. Org. Chem., **1987**, 52, 3232-3239 and Sherrill et al, J. Org. Chem., **1995**, 60, 730-734; Walsh, D. A., Synthesis, September 1980, p.677.

15

Examples

Chemical abbreviations used in the Examples are defined as follows: "DMPU" for 1,3-dimethyl-3,4,5,6-tetrahydro-2(1H)-pyrimidone, "TBTU" for O-(1H-benzotriazol-1-yl)-N,N,N',N'-tetramethyluronium tetrafluoroborate, and "BOP" for
 20 benzotriazol-1-yloxytris-(dimethylamino)phosphonium hexafluorophosphate. It is understood that one skilled in the art can discern compounds used in the synthesis of Examples of the invention may be referred to by structure and number. For example, Resin 20 refers to the resin of

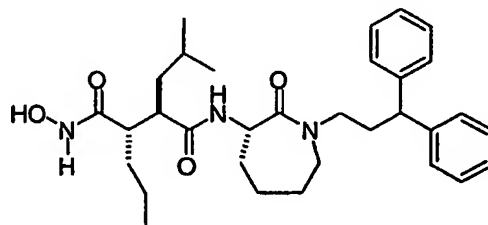
structure 20 in Scheme 5; succinate 9 refers to the structure 9 found in Scheme 2 which is a succinate compound.

"HPLC" is an abbreviation used herein for high pressure liquid chromatography. Reverse-phase HPLC was carried out
5 using a Vydac C-18 column with gradient elution from 10% to 100 % buffer B in buffer A (buffer A: water containing 0.1% trifluoroacetic acid, buffer B: 10% water, 90% acetonitrile containing 0.1% trifluoroacetic acid).

10

Example 1

(2R,3S) N1-[(3S)-hexahydro-1-(3,3-diphenylpropyl)-2-oxo-1H-azepin-3-yl]-N4-(hydroxy)-2-(2-methylpropyl)-3-(propyl)-butanediamide.



15

Step (1a): Di-tert-butyldicarbonate (10.2 g, 46.7 mmol) was added portion wise to a solution of L-(-)- α -amino- ϵ -caprolactam (5.0 g, 39.0 mmol) in dimethyl sulfoxide (30 mL). After 5 h at rt, the reaction was partitioned between
20 water (100 mL) and ethyl acetate. The combined organic extracts were washed successively with 1 M HCl (50 mL), brine, and dried (MgSO₄) and concentrated *in vacuo*. The residue was recrystallized in 1:1 v/v ether-hexanes, two crops yielded the desired product (6.26 g, 70%) as white
25 solid. MS (M+H-BOC)⁺ = 129.

Step (1b): Triphenylphosphine (3.0 g, 11.4 mmol) and carbon tetrabromide (3.75 g, 11.7 mmol) were added successively to a cooled (0°C) solution of 3,3-biphenyl-1-propanol (1.5 mL, 7.5 mmol) in dichloromethane (20 mL).
30 After 1.5 hours at rt, the mixture was concentrated *in vacuo*. The residue was purified by flash chromatography on silica

gel (hexanes) to give the desired product (1.93 g, 93% yield) as a clear oil. MS (M-BrC₂H₄)⁺ = 167

- Step (1c): A 1.0 M tetrahydrofuran solution of lithium bis(trimethylsilyl)amide (1.3 mL) was added over 15 minutes to compound of Step (1a) (0.29 g, 1.27 mmol) in tetrahydrofuran (3 mL) and DMPU (2 mL) at -78°C. The iodo compound prepared from compound (1b) (0.85 g, 3.09 mmol) by typical Finkelstein methodology, in tetrahydrofuran (4 mL) was added and the reaction was allowed to warm to rt slowly. This was stirred for 10 hours at ambient temperature, partitioned between water and ethyl acetate. The combined organic extracts were washed successively with water (20 mL), brine (20 mL), and dried (MgSO₄) and concentrated *in vacuo*. The resulting residue was purified by silica gel column (ethyl acetate:hexanes, 5:95 then ethyl acetate:hexanes, 15:85) to give the desired product (0.16 g, 30%). MS (M-Ot-Bu)⁺ = 349.
- Step (1d): Trifluoroacetic acid (3 mL) was added to a solution of compound of Step (1c) (0.16 mg, 0.38 mmol) in dichloromethane (9 mL). After 2 h at rt, the solvent was removed *in vacuo*. The residual trifluoroacetic acid was removed by azeotrope with dichloromethane (50 mL), toluene (50 mL), and dichloromethane (50 mL) successively to give the desired product (0.17 g, 99%) as a yellow oil. MS (M+H)⁺ = 323.

- Step (1e): 4-Methylmorpholine (0.6 mL, 5.46 mmol) and TBTU (0.11 g, 0.34 mmol) were added to a solution of succinate acid (P. Becket, M. J. Crimmin, M. H. Davis, Z. Spavold, Synlett, (1993), 137-138) (0.085 g, 0.31 mmol) in *N,N*-dimethylformamide (3 mL). After 30 minutes at rt, the compound from step (1d) (0.17 g, 0.39 mmol) was added to the mixture. The reaction was stirred for 16 h at rt, then partitioned between 1 M HCl (20 mL) and ethyl acetate. The combined organic extracts were washed successively with saturated aqueous sodium bicarbonate (20 mL), water (20 mL),

brine (20 mL), dried (MgSO_4) and concentrated *in vacuo*. The residue was purified by silica gel chromatography (ethyl acetate:hexanes, 7:93 gradient to ethyl acetate:hexanes 25:75) to give the desired product (120 mg, 67%) as a clear oil. MS ($\text{M}+\text{NH}_4\text{-Ot-Bu}$)⁺ = 521.

Step (1f): Trifluoroacetic acid (3 mL) was added to a solution of compound of Step (1e) (120 mg, 0.21 mmol) in dichloromethane (9 mL). After 3 hours at rt, the mixture was concentrated *in vacuo*. The residual trifluoroacetic acid was removed by azeotrope with toluene (1 X 50 mL) and dichloromethane (1 X 50 mL). The residue was triturated with Et_2O :Hexanes 95:5, to give the desired product (75 mg, 70%) as a white solid. MS (M-H)⁻ = 519.

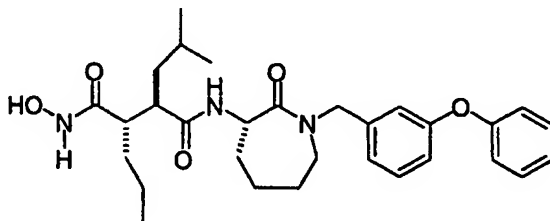
Step (1g): 4-Methylmorpholine (0.05 mL, 0.45 mmol) and BOP (73 mg, 0.17 mmol) were added to a solution of compound of Step (1f) (60 mg, 0.12 mmol) in *N,N*-dimethylformamide (2 mL). Hydroxylamine (33 mg, 0.47 mmol) was added to the mixture, the reaction was stirred for 16 h at rt, was concentrated *in vacuo*, was acidified with trifluoroacetic acid, then purified by reverse phase HPLC on a Vydac C-18 column, to give the desired hydroxamic acid as a white solid (45 mg, 75%). MS (M-H)⁻ = 534.

25

Example 2

(2R,3S) N1-[(3S)-hexahydro-1-(3-phenoxybenzyl)-2-oxo-1H-azepin-3-yl]-N4-(hydroxy)-2-(2-methylpropyl)-3-(propyl)-butanediamide.

30



Step (2a): Triphenylphosphine (3.40 g, 13.0 mmol) and carbontetrabromide (4.20 g, 13.0 mmol) were added

successively to a solution of m-phenoxybenzyl alcohol (1.5 mL, 8.6 mmol). After 4 h at rt the mixture was concentrated and was purified by silica gel column (hexanes, then ethyl acetate:hexanes, 5:95) to give the desired bromide (1.3 g, 57%) as a yellow oil. MS (M-Br)⁺ = 183.

Step (2b): A 1 M solution of lithium bis(trimethylsilyl)amide was added dropwise to a solution of compound of Step (1a) (0.3 g, 1.31 mmol) in tetrahydrofuran (5 mL) at -78°C. After 30 minutes a solution of compound of Step (2a) (0.43 g, 1.63 mmol) in tetrahydrofuran (4 mL) was added to the mixture dropwise. The reaction was allowed to come to ambient temperature, stirred for 16 h, then partitioned between water and ethyl acetate. The combined organic extracts were washed successively with water (20 mL), brine (20 mL), dried (MgSO₄) and concentrated *in vacuo*. The crude residue was purified by silica gel chromatography (ethyl acetate:hexanes, 5:95 then ethyl acetate:hexanes, 15:85) to give the desired product (360 mg, 67%) as a clear oil. MS (M-Ot-Bu)⁺ = 337.

Step (2c): Trifluoroacetic acid (5 mL) was added to a solution of compound of Step (2b) in dichloromethane (15 mL). After 3 h at rt the solution was concentrated *in vacuo*. The residual trifluoroacetic acid was removed from residue by azeotrope with toluene (50 mL) then dichloromethane (30 mL) to yield the desired amine (390 mg, 99%) as a clear oil. MS (M+H)⁺ = 311.

Step (2d): Following a procedure analogous to the preparation of Step (1e), but using the compound from of Step (2c) (390 mg, 0.88 mmol) the amide was prepared. The crude compound was purified by silica gel chromatography to give the desired product (0.38 g, 92%) as a yellow oil. MS (M-Ot-Bu)⁺ = 491.

Step (2e): Following a procedure analogous to the preparation of step (1f), but using the compound from Step

(2d) (380 mg, 0.67 mmol), the carboxylic acid was prepared. The product was precipitated from ethyl ether with hexanes, to give the desired acid (227 mg, 66%) as a white solid. MS (M-H)⁻ = 507.

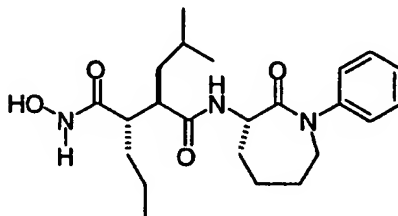
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Step (2f): Following a procedure analogous to the preparation of compound of Step (1g), but using the compound from step (2e) (150 mg, 0.29 mmol) the title compound was prepared. The crude was purified by reverse phase HPLC on a Vydac C-18 column to give the desired product (90 mg, 58%) as a white solid. MS (M-H)⁻ = 522.

Example 3

(2R,3S) N1-[(3S)-hexahydro-1-(phenyl)-2-oxo-1H-azepin-3-yl]-N4-(hydroxy)-2-(2-methylpropyl)-3-(propyl)-butanediamide.

15



Step (3a): Triethylamine (1.5 mL, 10.8 mmol), copper (II) acetate (0.95 g, 5.2 mmol) and phenylboric acid (1.6 g, 13.1 mmol) were added successively to a solution of compound of Step (1a) (1.0 g, 4.4 mmol) in dichloromethane (20 mL). After 2.5 h at rt, more phenylboric acid (0.5 g, 4.1 mmol) was added to the mixture. After an additional 3 hours at rt more phenylboric acid (0.5 g, 4.1 mmol) was added to the mixture. After 65 h at rt, the mixture was filtered over celite. The filtrate was concentrated *in vacuo*, and the residue was purified by silica gel chromatography (ethyl acetate:hexanes, 5:95 then 15:85) to give the desired product (250 mg, 19%). MS (M-Ot-Bu)⁺ = 231.

30

Step (3b): Following a procedure analogous to the preparation of compound of Step (2c), but using compound of

Step (3a) (250 mg, 0.82 mmoles), the amine (300 mg, 99%) was prepared as a yellow oil. MS (M+H)⁺ = 205.

Step (3c): Following a procedure analogous to the preparation of compound of Step (1e), but using compound from Step (3b) (0.3g, 0.94 mmoles), the amide was prepared. The residue was purified by silica gel chromatography (ethyl acetate:hexanes, 5:95 to 20:80 in 5% increments, 500 mL each ratio) to give the desired product (210 mg, 60%) as a clear oil. MS (M+H-t-Bu)⁺ = 403.

Step (3d): Following a procedure analogous to the preparation of compound of Step (1f), but using compound from Step (3c) (200 mg, 0.44 mmoles) the acid was prepared. The crude oil was triturated with ether:hexanes 1:1 to give the desired acid (114 mg, 65%) as a white solid. MS (M-OH)⁺ = 385.

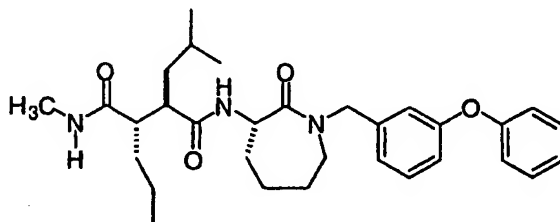
Step (3e): Following a procedure analogous to the preparation of compound of Step (1g), but using compound from Step (3d) (82 mg, 0.20 mmoles) the title compound was prepared. The crude product was purified by reverse phase HPLC on a Vydac C-18 column to give the desired product (80 mg, 94%). MS (M-H)⁻ = 416.

25

Example 4

(2R,3S) N1-[(3S)-hexahydro-1-(3-phenoxybenzyl)-2-oxo-1H-azepin-3-yl]-N4-(methyl)-2-(2-methylpropyl)-3-(propyl)-butanediamide.

30

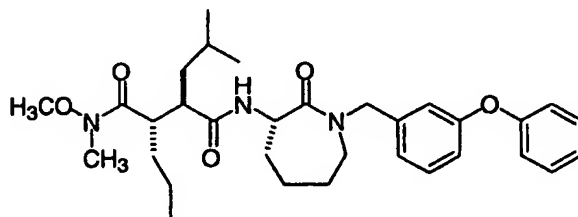


Following a procedure analogous to the preparation of Example 3, compound of Step (2e) (100 mg, 0.20 mmol) was

treated with HATU (*O*-(7-azabenzotriazol-1-yl)-1,1,3,3-tetramethyluronium hexafluorophosphate) (114 mg, 0.30 mmol) and *N*-methyl morpholine (66 mL, 0.6 mmol) in 2 mL of DMF for 15 min at rt. A solution of 2.0 M methylamine in THF (0.2 mL, 0.4 mmol) was added and the reaction solution was stirred for 1 h at rt. The reaction solution was diluted with 1N HCl (5 mL) and extracted 3 x with 10 mL of ethyl acetate. The combined organic layers were washed with a saturated sodium bicarbonate solution (5 mL) and brine (5 mL), dried over magnesium sulfate, and concentrated in vacuo to provide the crude amide. Purification by reverse phase HPLC on a Vydac-18 column provided the desired amide (30 mg, 30%). MS (M+Na)⁺ = 544.

Example 5

(2R,3S) N1-[(3S)-hexahydro-1-(3-phenoxybenzyl)-2-oxo-1H-azepin-3-yl]-N4-(methoxy)-N4-(methyl)-2-(2-methylpropyl)-3-(propyl)-butanediamide.

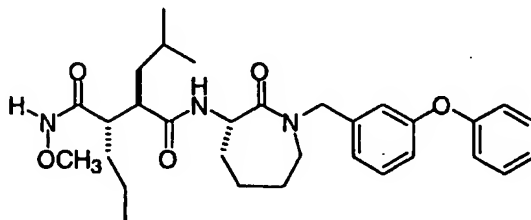


Following a procedure analogous to the preparation of Example 4, compound of Step (2e) (100 mg, 0.20 mmol) was activated and condensed with *N,O*-dimethylhydroxylamine hydrochloride (40 mg, 0.40 mmol). Purification by reverse phase HPLC on a Vydac-18 column provided the desired amide (30 mg, 30%). MS (M+Na)⁺ = 574.

Example 6

(2R,3S) N1-[(3S)-hexahydro-1-(3-phenoxybenzyl)-2-oxo-1H-azepin-3-yl]-N4-(methoxy)-2-(2-methylpropyl)-3-(propyl)-butanediamide.

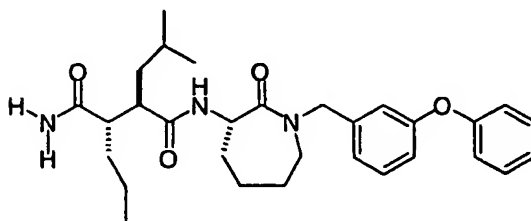
5



Following a procedure analogous to the preparation of Example 4, compound of Step (2e) (100 mg, 0.20 mmol) was activated and condensed with *O*-methylhydroxylamine hydrochloride (40 mg, 0.40 mmol). Purification by reverse phase HPLC on a Vydac-18 column provided the desired amide (30 mg, 30%). MS (M+Na)⁺ = 560.

Example 7

(2R,3S) N1-[(3S)-hexahydro-1-(3-phenoxybenzyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide.



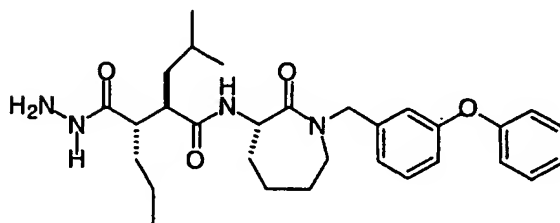
Following a procedure analogous to the preparation of Example 4, compound of Step (2e) (100 mg, 0.20 mmol) was activated and condensed with a 2.0 M solution of ammonia in dioxane (0.2 mL, 0.4 mmol). Purification by reverse phase HPLC on a Vydac-18 column provided the desired amide (30 mg, 30%). MS (M+Na)⁺ = 530.

25

Example 7A

(2R,3S) N1-[(3S)-hexahydro-1-(3-phenoxybenzyl)-2-oxo-1H-azepin-3-yl]-N4-(amino)-2-(2-methylpropyl)-3-(propyl)-butanediamide.

5

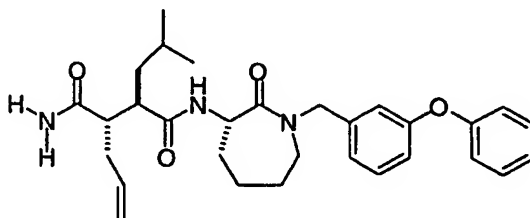


Following a procedure analogous to the preparation of Example 4, compound of Step (2e) (100 mg, 0.20 mmol) was activated and condensed with hydrazine (13 mg, 0.4 mmol).
 10 Purification by reverse phase HPLC on a Vydac-18 column provided the desired amide (11.1 mg, 21%). MS (M+Na)⁺ = 542.

Example 8

(2R,3S) N1-[(3S)-hexahydro-1-(3-phenoxybenzyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide.

15



(8a) Compound 8a was synthesized following a procedure analogous to the preparation of the compound 1e, but using the caprolactam 2c (2.5 g, 5.89 mmol), succinate 2 (1.64 g, 6.0 mmol), and HATU instead of TBTU. The compound was purified by chromatography eluting with 5% methanol in CH₂Cl₂ to afford 1.50 g (45%) of the desired ester.

(8b) The ester from 8a (1.18 g, 2.10 mmol) was dissolved in 10 mL of a 50% solution of trifluoroacetic acid in CH₂Cl₂ and stirred at rt for 2 h. The solvents were removed by concentration under reduced pressure and the crude product was dissolved in 10 mL of toluene and reconcentrated

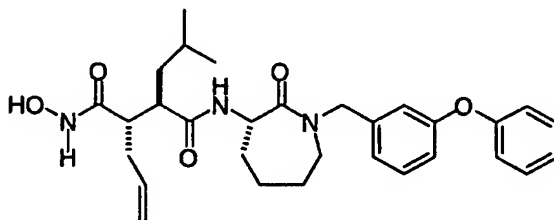
twice to remove residual TFA. The crude acid was used without further purification or characterization.

Following a procedure analogous to the preparation of Example 7, compound **8b** (1.065 g, 2.10 mmol) was activated and condensed with an excess of gaseous ammonia. Purification by reverse phase HPLC on a Vydac-18 column provided 500 mg (47%) of the desired compound of Example 8. MS (M+Na)⁺ = 528.

10

Example 9

(2R,3S) N1-[(3S)-hexahydro-1-(3-phenoxybenzyl)-2-oxo-1H-azepin-3-yl]-N4-(hydroxy)-2-(2-methylpropyl)-3-(allyl)-butanediamide.



15

Example 9 was synthesized following a procedure analogous to the preparation of Example 2, but using succinate **9** (Scheme 2). Purification by reverse phase HPLC on a Vydac-18 column provided 150 mg of Example 9. MS

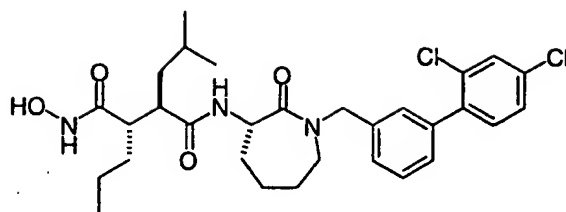
(M+Na)⁺ = 544.

20

Example 10

(2R,3S) N1-[(3S)-hexahydro-1-(3-(2,4-dichlorophenyl)benzyl)-2-oxo-1H-azepin-3-yl]-N4-(hydroxy)-2-(2-methylpropyl)-3-(propyl)-butanediamide.

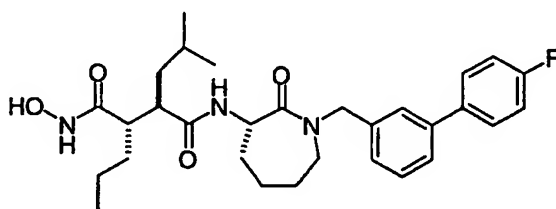
25



The general procedure reported for Scheme 5 was followed using 2,4-dichlorophenyl boronic acid. Purification afforded 5 6.0 mg (60%) of the desired product. MS (M+Na)⁺ = 598.

Example 11

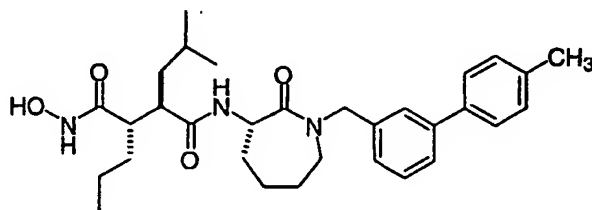
(2R,3S) N1-[(3S)-hexahydro-1-(3-(4-fluorophenyl)benzyl)-2-oxo-1H-azepin-3-yl]-N4-(hydroxy)-2-(2-methylpropyl)-3-(propyl)-butanediamide.



The general procedure reported for Scheme 5 was followed using 4-fluorophenyl boronic acid. Purification afforded 15 mg (54%) of the desired product. MS (M+Na)⁺ = 548.

Example 12

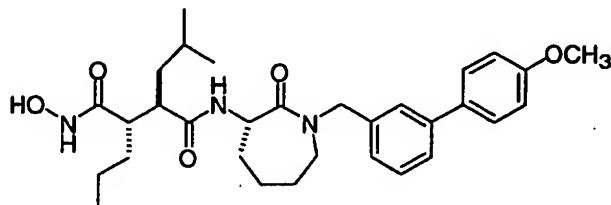
(2R,3S) N1-[(3S)-hexahydro-1-(3-(4-methylphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-N4-(hydroxy)-2-(2-methylpropyl)-3-(propyl)-butanediamide.



The general procedure reported for Scheme 5 was followed using 4-methylphenyl boronic acid. Purification afforded 25 mg (33%) of the desired product. MS (M+Na)⁺ = 544.

Example 13

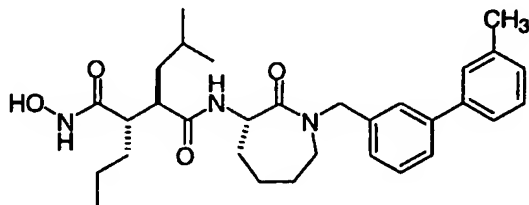
(2R,3S) N1-[(3S)-hexahydro-1-(3-(4-methoxyphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-N4-(hydroxy)-2-(2-methylpropyl)-3-(propyl)-butanediamide.



The general procedure reported for Scheme 5 was followed using 4-methoxyphenyl boronic acid. Purification afforded 3.0 mg (32%) of the desired product. MS (M+Na)⁺ = 560.

Example 14

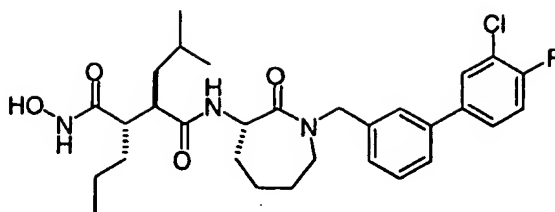
(2R,3S) N1-[(3S)-hexahydro-1-(3-(3-methylphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-N4-(hydroxy)-2-(2-methylpropyl)-3-(propyl)-butanediamide.



The general procedure reported for Scheme 5 was followed using 3-methylphenyl boronic acid. Purification afforded 3.0 mg (33%) of the desired product. MS (M+Na)⁺ = 544.

Example 15

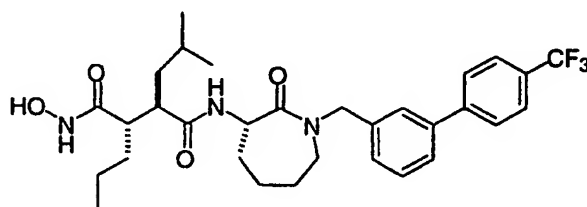
(2R,3S) N1-[(3S)-hexahydro-1-(3-(3-chloro-4-fluorophenyl)benzyl)-2-oxo-1H-azepin-3-yl]-N4-(hydroxy)-2-(2-methylpropyl)-3-(propyl)-butanediamide.



The general procedure reported for Scheme 5 was followed using 3-chloro-4-fluorophenyl boronic acid. Purification
5 afforded 4.0 mg (41%) of the desired product. MS (M+Na)⁺ = 582.

Example 16

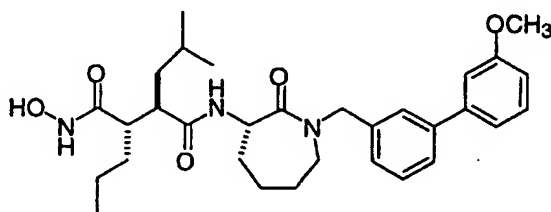
(2R,3S) N1-[(3S)-hexahydro-1-(3-(4-
trifluoromethylphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-N4-
10 (hydroxy)-2-(2-methylpropyl)-3-(propyl)-butanediamide.



The general procedure reported for Scheme 5 was followed using 4-trifluoromethylphenyl boronic acid. Purification
15 afforded 4.0 mg (40%) of the desired product. MS (M+Na)⁺ = 598.

Example 17

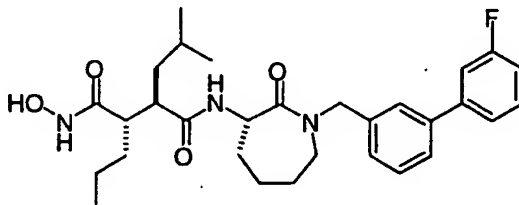
(2R,3S) N1-[(3S)-hexahydro-1-(3-(3-methoxyphenyl)benzyl)-2-
oxo-1H-azepin-3-yl]-N4-(hydroxy)-2-(2-methylpropyl)-3-
20 (propyl)-butanediamide.



The general procedure reported for Scheme 5 was followed using 3-methoxyphenyl boronic acid. Purification afforded
25 4.1 mg (44%) of the desired product. MS (M+Na)⁺ = 560.

Example 18

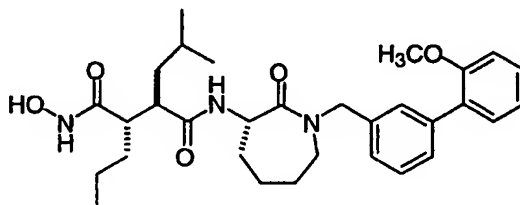
(2R,3S) N1-[(3S)-hexahydro-1-(3-(3-fluorophenyl)benzyl)-2-oxo-1H-azepin-3-yl]-N4-(hydroxy)-2-(2-methylpropyl)-3-(propyl)-butanediamide.



The general procedure reported for Scheme 5 was followed using 3-fluorophenyl boronic acid. Purification afforded 3.5 mg (38%) of the desired product. MS (M+Na)⁺ = 548.

Example 19

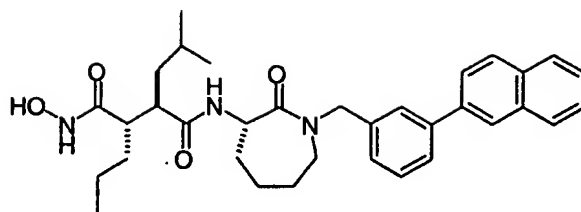
(2R,3S) N1-[(3S)-hexahydro-1-(3-(2-methoxyphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-N4-(hydroxy)-2-(2-methylpropyl)-3-(propyl)-butanediamide.



The general procedure reported for Scheme 5 was followed using 2-methoxyphenyl boronic acid. Purification afforded 1.3 mg (14%) of the desired product. MS (M+Na)⁺ = 560.

Example 20

(2R,3S) N1-[(3S)-hexahydro-1-(3-(2-naphthyl)benzyl)-2-oxo-1H-azepin-3-yl]-N4-(hydroxy)-2-(2-methylpropyl)-3-(propyl)-butanediamide.



The general procedure reported for Scheme 5 was followed using 2-naphthyl boronic acid. Purification afforded 3.0 mg
5 (31%) of the desired product. MS (M+Na)⁺ = 580.

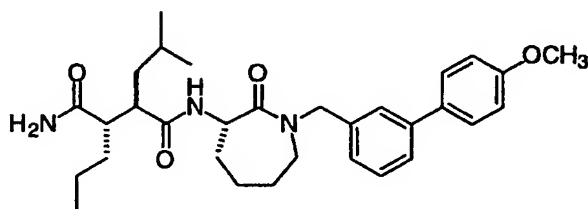
It will be understood by one skilled in the art that Scheme 6 can be followed in a manner analogous to the procedure for Scheme 5.

10

Example 21

(2R,3S) N1-[(3S)-hexahydro-1-(3-(4-methoxyphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide.

15



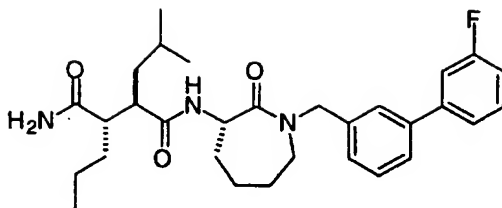
The general procedure reported for Scheme 6 was followed using 4-methoxyphenyl boronic acid. Purification afforded 0.5 mg of the desired product. MS (M+Na)⁺ = 544.

20

Example 22

(2R,3S) N1-[(3S)-hexahydro-1-(3-(3-fluorophenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide.

25



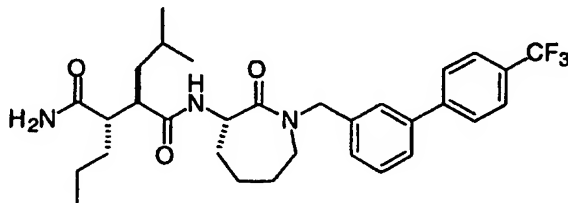
The general procedure reported for Scheme 6 was followed using 3-fluorophenyl boronic acid. Purification afforded 1.6 mg of the desired product. MS (M+Na)⁺ = 532.

5

Example 23

(2R,3S) N1-[(3S)-hexahydro-1-(3-(4-trifluoromethylphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide.

10



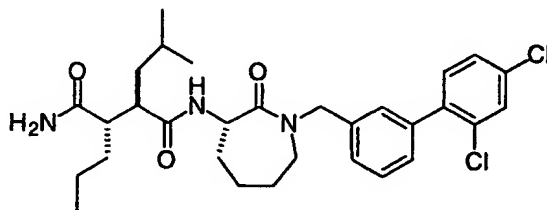
The general procedure reported for Scheme 6 was followed using 4-trifluoromethylphenyl boronic acid. Purification afforded 0.7 mg (4.3 %) of the desired product. MS (M+Na)⁺ =

15 582.

Example 24

(2R,3S) N1-[(3S)-hexahydro-1-(3-(2,4-dichlorophenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide.

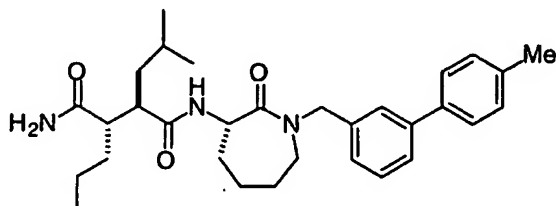
20



The general procedure reported for Scheme 6 was followed using 2,6-dichlorophenyl boronic acid. Purification afforded 25 1.8 mg (11 %) of the desired product. MS (M+Na)⁺ = 582.

Example 25

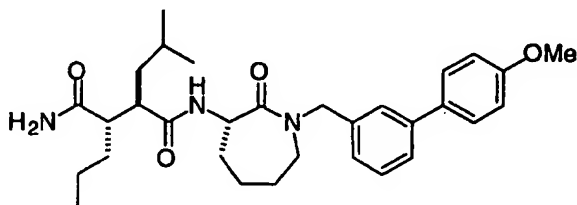
(2R,3S) N1-[(3S)-hexahydro-1-(3-(4-methylphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide.



The general procedure reported for Scheme 6 was followed using 4-tolyl boronic acid. Purification afforded 1.8 mg (12 %) of the desired product. MS (M+Na)⁺ = 528.

Example 26

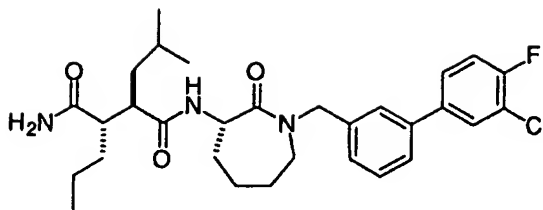
(2R,3S) N1-[(3S)-hexahydro-1-(3-(4-methoxyphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide.



The general procedure reported for Scheme 6 was followed using 4-methoxyphenyl boronic acid. Purification afforded 0.5 mg (3.3 %) of the desired product. MS (M+Na)⁺ = 544.

Example 27

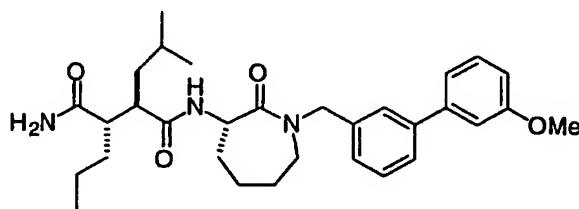
(2R,3S) N1-[(3S)-hexahydro-1-(3-(3-chloro-4-fluorophenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide.



The general procedure reported for Scheme 6 was followed using 4-fluoro-3-chlorophenyl boronic acid. Purification afforded 0.5 mg (3.3 %) of the desired product. MS (M+Na)⁺ = 567.

Example 28

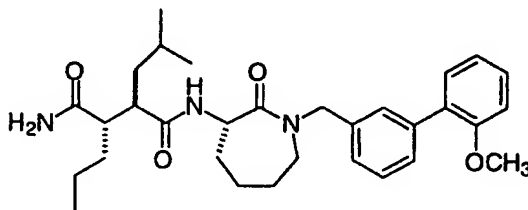
(2R,3S) N1-[(3S)-hexahydro-1-(3-(3-methoxyphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide.



The general procedure reported for Scheme 6 was followed using 2-methoxyphenyl boronic acid. Purification afforded 0.8 mg (5.3 %) of the desired product. MS (M+Na)⁺ = 544.

Example 29

(2R,3S) N1-[(3S)-hexahydro-1-(3-(2-methoxyphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide.



The general procedure reported for Scheme 6 was followed using 2-methoxyphenyl boronic acid. Purification afforded 1.5 mg (10 %) of the desired product. MS (M+Na)⁺ = 544.

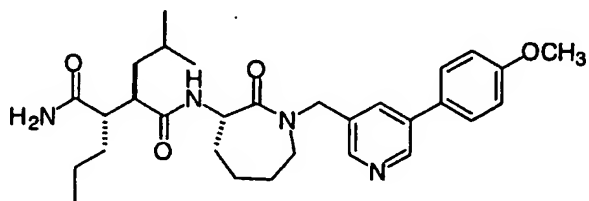
It will be understood by one skilled in the art that Scheme 7 can be followed in a manner analogous to the procedure for Schemes 5 and 6.

5

Example 30

(2R,3S) N1-[(3S)-hexahydro-1-(3-(4-methoxyphenyl)pyrid-5-ylmethyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide.

10



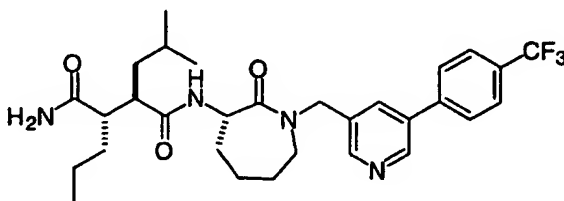
Amide 35 of Scheme 7 (0.10 g, 0.18 mmol) was dissolved in 5 mL of toluene and 41 mg (0.27 mmol) of 4-methoxyphenyl boronic acid was added, followed by 31 mg (0.0147 mmol) of tetrakis(triphenylphosphine)palladium, 0.5 mL of a 2M sodium carbonate solution and 0.5 mL of methanol. The reaction solution was heated to reflux for 16 h and then allowed to cool to rt. The reaction solution was diluted with 10 mL of water and extracted 2 x with 50 mL of ethyl acetate. The combined organic layers were dried and concentrated and the resulting oil was purified by chromatography eluting with 30 to 100% ethyl acetate in hexanes as a solvent to provide 30 mg (29%) of biaryl product. MS (M+H)⁺ = 580.

The purified biaryl product was dissolved in 10 mL of 1:1 trifluoroacetic acid/CH₂Cl₂ and stirred at rt for 2 h. The solvents were then removed under reduced pressure and the resulting oil was redissolved in 5 mL of toluene and reconcentrated to remove residual TFA. The crude acid (25 mg, 0.047 mmol) was then dissolved in 1 mL of DMF and 10 μL of N-methylmorpholine (0.094 mmol) and 42 mg (0.062 mmol) HATU were added and the reaction solution was stirred at rt for 45 min. Gaseous ammonia was then bubbled in at a gentle rate for about 1 minute and the solution was stirred for an additional 1 min. The reaction solution was then diluted

with 10 mL of water and extracted 3 x with 30 mL of ethyl acetate. The combined organic layers were dried and concentrated under reduced pressure to a solid which was purified by reversed phase HPLC to provide 3.5 mg (10%) of the compound of Example 30 as its trifluoroacetic acid salt. MS (M+H)⁺ = 523.

Example 31

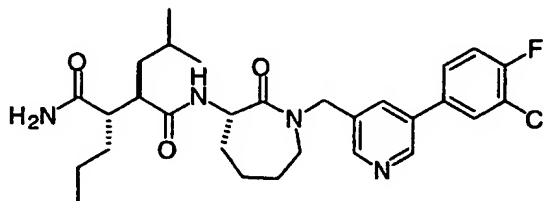
(2R,3S) N1-[(3S)-hexahydro-1-(3-(4-trifluoromethylphenyl)pyrid-5-ylmethyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide.



The general procedure reported for the compound of Example 30 was followed using 4-trifluoromethylphenyl boronic acid. Purification by HPLC afforded 6.0 mg of the desired product from as its trifluoroacetic acid salt. MS (M+Na)⁺ = 583.

Example 32

(2R,3S) N1-[(3S)-hexahydro-1-(3-(3-chloro-4-fluorophenyl)pyrid-5-ylmethyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide.



Amide 35 (0.30 g, 0.54 mmol) was dissolved in 3 mL of DMF and 123 mg (0.70 mmol) of 4-methoxyphenyl boronic acid was added, followed by 44 mg (0.0543 mmol) of bis(diphenylphosphinoferrocene) palladium (II) dichloride and 1.0 mL (7.18 mmol) of triethylamine. The reaction solution

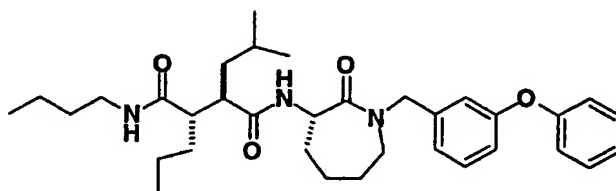
was heated to 80°C for 24 h and then allowed to cool to rt. The reaction solution was diluted with 10 mL of water and extracted 2 x with 50 mL of ethyl acetate. The combined organic layers were dried and concentrated and the resulting
5 oil was purified by chromatography eluting with 20 to 100% ethyl acetate in hexanes as a solvent to provide 140 mg (50%) of biaryl product. MS (M+Na)⁺ = 624.

The general procedure reported for the compound of Example 30 was then followed to provide the amide.
10 Purification by chromatography eluting with 20 to 100% ethyl acetate in hexanes afforded 45 mg of the desired product of Example 32 as its trifluoroacetic acid salt. MS (M+Na)⁺ = 567.

15

Example 33

(2R,3S) N1-[(3S)-hexahydro-1-(3-phenoxybenzyl)-2-oxo-1H-azepin-3-yl]-N4-(butyl)-2-(2-methylpropyl)-3-(propyl)-butanediamide.



20

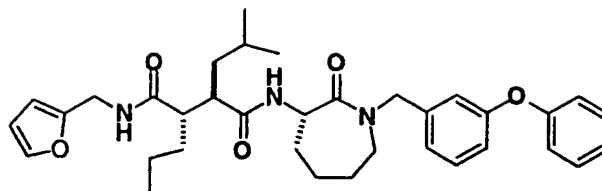
The general procedure reported for Scheme 8 was followed using butylamine. Analysis by ¹HNMR integration relative to an internal standard revealed a yield of 100 % of the desired product. MS (M+Na)⁺ = 586.

25

Example 34

(2R,3S) N1-[(3S)-hexahydro-1-(3-phenoxybenzyl)-2-oxo-1H-azepin-3-yl]-N4-(2-furylmethyl)-2-(2-methylpropyl)-3-(propyl)-butanediamide.

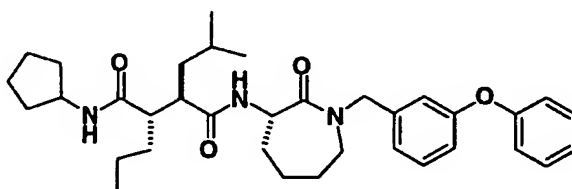
30



The general procedure reported for Scheme 8 was followed using 2-furylmethylamine. Analysis by ^1H NMR integration relative to an internal standard revealed a yield of 75 % of the desired product. MS $(\text{M}+\text{Na})^+ = 610$.

Example 35

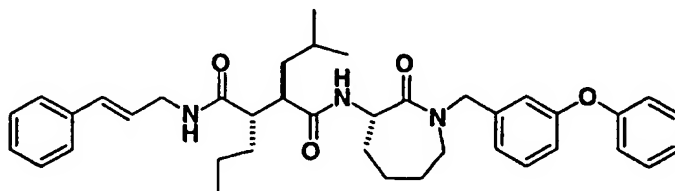
(2R,3S) N1-[(3S)-hexahydro-1-(3-phenoxybenzyl)-2-oxo-1H-azepin-3-yl]-N4-(cyclopentyl)-2-(2-methylpropyl)-3-(propyl)-butanediamide.



The general procedure reported for Scheme 8 was followed using cyclopentylamine. Analysis by ^1H NMR integration relative to an internal standard revealed a yield of 42 % of the desired product. MS $(\text{M}+\text{Na})^+ = 598$.

Example 36

(2R,3S) N1-[(3S)-hexahydro-1-(3-phenoxybenzyl)-2-oxo-1H-azepin-3-yl]-N4-(cinnamyl)-2-(2-methylpropyl)-3-(propyl)-butanediamide.

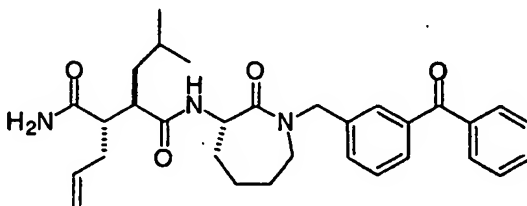


The general procedure reported for Scheme 8 was followed using cinnamylamine. Analysis by ^1H NMR integration relative

to an internal standard revealed a yield of 100 % of the desired product. MS (M+Na)⁺ = 646.

Example 37

- 5 (2R,3S) N1-[(3S)-hexahydro-1-(benzophenon-3-yl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide.



- 10 **3-Bromomethylbenzophenone.** A solution of 3-methylbenzophenone (20 g, 102 mmol) dissolved in 40 mL of 1,2-dibromoethane was heated to reflux. Over a period of about 3 hours a solution of 105 mmol of bromine dissolved in 6 mL of 1,2-dibromoethane was added to the refluxing
15 solution. After the addition was complete the solution was allowed to cool to rt and diluted with 100 mL of dichloromethane. The organic layer was extracted with 1 x 25 mL of 1 N HCl, 2 x 15 mL of NaHCO₃ Solution, and 2 x 25 ML of brine. The organic layers were dried over magnesium sulfate
20 and concentrated *in vacuo*. The residue was then distilled to afford the product, 16.5 g (60 %) as an oil that solidified upon standing, b.p. 160°C at 300 mTorr. ¹H NMR analysis shows that the product contains approximately 7% of the dibromide.

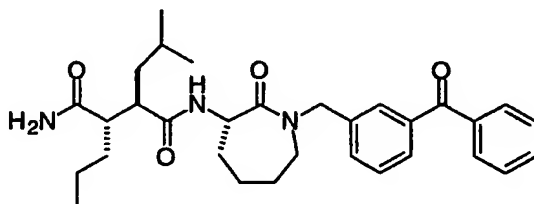
- 25 **3-(1,1-dimethylethylcarbomethoxy-N-(benzophenone-3-yl-methyl)caprolactam.** Diisopropylamine (4.2 mL, 30 mmol) was dissolved in 25 mL of THF and chilled to -78°C. To the solution was added 10 mL of 2.5M n-butyllithium in hexanes and the solution was warmed to 0°C and allowed to
30 stir for 10 min. A solution of Boc-protected aminocaprolactam **1a** (5.0 grams, 22 mmol) dissolved in 25 mL of THF was then added and the reaction solution was stirred for 1 h at 0°C. Solid 3-bromomethyl-benzophenone was then added and the reaction solution was allowed to warm to rt and

stir overnight. The reaction solution was diluted with water and extracted into ethyl acetate (100 mL). The organic layer was rinsed with 2x 25 mL of 1 N HCl, 2 x 25 mL of saturated NaHCO₃ and 2 x 25 mL of brine, dried over magnesium sulfate, and dried in vacuo. Chromatography eluting with a gradient of 30% to 40% ethyl acetate in hexanes afforded the pure benzophenone-substituted caprolactam derivative (7.4 g, 80%). MS (M+Na)⁺ = 445.

The compound of Example 10 was synthesized in a manner
10 analogous to the synthesis of the compound of Example 8 using
succinate 9 and the benzophenone-substituted caprolactam
derivative. The compound was purified by crystallization
from ethyl acetate to afford 0.26 g of crystals. MS (M+Na)+
= 540.

15 **Example 38**

(2R,3S) N1-[(3S)-hexahydro-1-(benzophenon-3-yl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide.

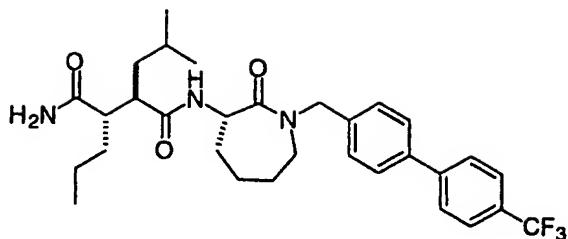


20 The compound of Example 11 was synthesized in a manner analogous to the synthesis of the compound of Example 8 using succinate 10 and the benzophenone-substituted caprolactam derivative. The compound was purified by crystallization

25 from ethyl acetate to afford 0.25 g of crystals. MS (M+Na)+ = 542.

Example 39

(2R,3S) N1-[(3S)-hexahydro-1-(4-(4-
30 trifluoromethylphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(2-
methylpropyl)-3-(propyl)-butanediarnide.



(39-a) **3-(1,1-dimethylethylcarbomethoxy-N-(4-bromophenylmethyl)caprolactam.** The title compound was synthesized in a manner analogous to the preparation of 3-(1,1-dimethylethylcarbomethoxy-N-(benzophenone-3-ylmethyl)caprolactam in Example 10 but using 4-bromobenzyl bromide as the alkylating agent. The compound was purified by chromatography eluting with 5-20% ethyl acetate in hexanes as eluent to provide 7.0 g (70%) of the title compound as a solid. MS (M+Na)⁺ = 419.

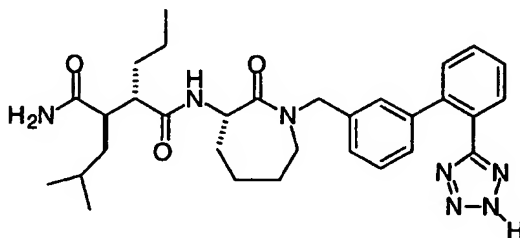
(39-b) **3-(1,1-dimethylethylcarbomethoxy-N-(4-(4'-trifluoromethylphenyl)phenylmethyl)caprolactam.** To a solution of 3-(1,1-dimethylethylcarbomethoxy-N-(4-bromophenylmethyl)caprolactam (0.5 g, 1.26 mmol) dissolved in 10 mL of toluene was added 263 mg (1.38 mmol) of 4-trifluoromethylphenyl boronic acid, 1 mL of methanol, and 1 mL of a 2M solution of potassium carbonate. The solution was degassed by nitrogen bubbling for 5 min, and then 33 mg of tris(dibenzylideneacetone)dipalladium (0) chloroform adduct and 66 mg of triphenylphosphine was added. The solution was heated to reflux for 16 h and then allowed to cool and diluted with 20 mL of water. The aqueous layer was extracted 3 x with 25 mL of ethyl acetate and concentrated. The resulting oil was purified by chromatography eluting with 20% ethyl acetate in hexanes to afford 0.47g (81%) of an oil which crystallized on standing.

(39-d) The compound **39-d** was synthesized in a manner analogous to the synthesis of the compound of Example 8 using succinate **10** (280 mg, 1.04 mmol) and 3-(1,1-dimethylethylcarbomethoxy-N-(4-(4'-trifluoromethylphenyl)phenylmethyl)caprolactam. The compound was purified by

chromatography eluting with 20-100% ethyl acetate in hexanes to afford 40 mg of a white powder. MS (M+H)+ = 560.

Example 40

- 5 (2S,3R) N1-[(3S)-hexahydro-1-(3-(2-tetrazolylphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(propyl)-3-(2-methylpropyl)-butanediamide.

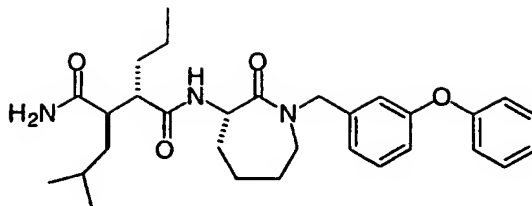


- 10 (40-a) The compound of Example 40 was synthesized in a manner analogous to the synthesis of the compound of Example 39, but using the substituted acid 28 of Scheme 6 (50 mg, 0.10 mmol) and o-((N-trityl)-tetrazole)phenylboronic acid under the conditions for the formation of the compound (39-
15 b). The desired biaryl acid was isolated as an impure mixture (134 mg) and used directly in the next step.

- (40-b) The acid 40-a (134 mg, impure mixture) was converted to the amide under the conditions reported for the compound of Example 8. The crude amide was then dissolved in
20 2 mL of 10% trifluoroacetic acid in methanol and allowed to stir at rt for 30 min. The solvents were removed and the residue was purified by chromatography eluting with 10% methanol in ethyl acetate to provide 40 mg (71%, 2 steps) of the compound of Example 40 as a sticky powder. MS (M+Na)+ =
25 582.

Example 41

- (2S,3R) N1-[(3S)-hexahydro-1-(3-phenoxybenzyl)-2-oxo-1H-azepin-3-yl]-2-(propyl)-3-(2-methylpropyl)-butanediamide.
30



(41-a) The compound of Example 41 is formed by coupling Succinate **23** (480 mg, 1.21 mmol) with the substituted caprolactam TFA salt **2c** under the conditions reported for the
 5 synthesis of the compound of Example 8. The crude fluorenylmethyl ester was used in the next step with out further purification. MS (M+Na)+ = 709.

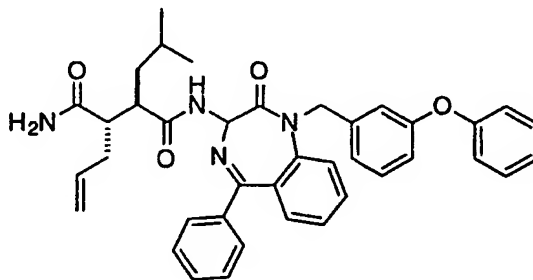
(41-b) The crude fluorenylmethyl ester is dissolved in 2 mL of a 50% solution of piperidine in CH₂Cl₂ and stirred for
 10 3 h at rt. A 10 mL portion of 1N HCl was then added and the mixture was extracted 3 x with 10 mL of ethyl acetate. The crude acid was used in the next step with out further purification. MS (M+H)+ = 509.

The compound of Example 41 was then prepared using the
 15 acid **41-b** under the conditions reported for compound of Example 28. The compound was purified by chromatography eluting with 5% methanol in CH₂Cl₂ to afford 120 mg (19%, 3 steps) of a white powder. MS (M+H)+ = 508.

20

Example 42

(2S,3R) N1-[1,3-dihydro-1-(3-phenoxybenzyl)-2-oxo-5-(phenyl)-
 2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-
 butanediamide.

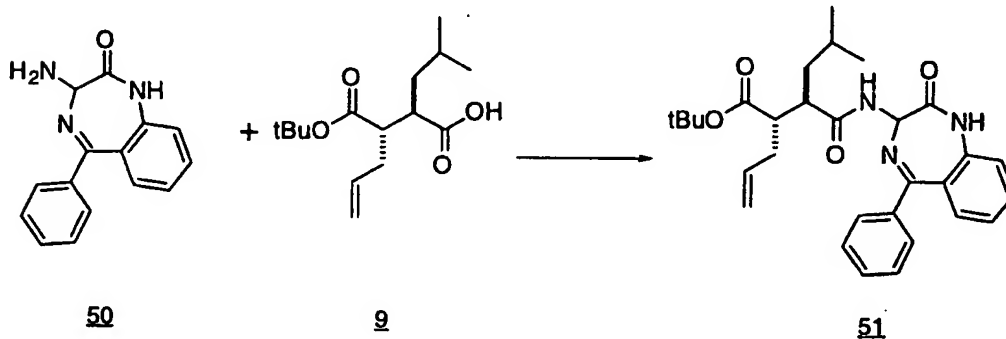


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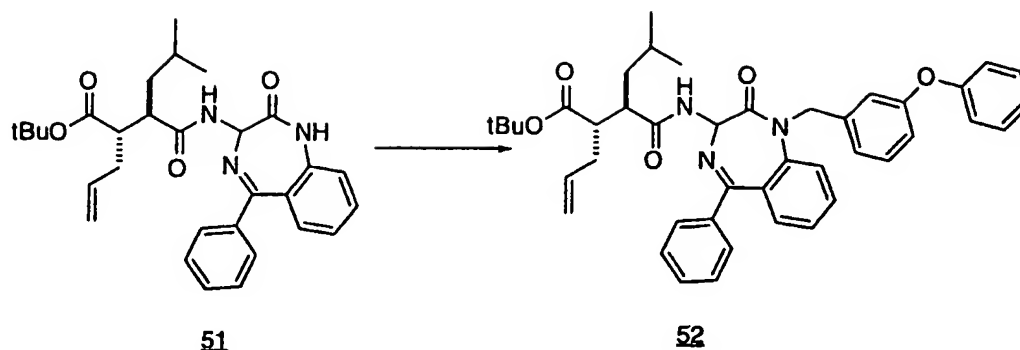
3-Phenoxybenzyl iodide: To a solution of 3-phenoxybenzyl chloride (10.0 g, 45.7mmol) in 200 ml acetone

was added sodium iodide (7.6 g, 507mmol). The mixture was stirred at temperature overnight. The mixture was diluted with 300ml hexane and the organic layer was washed twice with 5% sodium bicarbonate, once with brine and then dried over MgSO₄. Evaporation of the filtrate gave a light yellow oil. The product was used in next step without purification. ¹H NMR (CDCl₃) 4.4 (s, 2H), 6.8-7.4 (m, 9H).

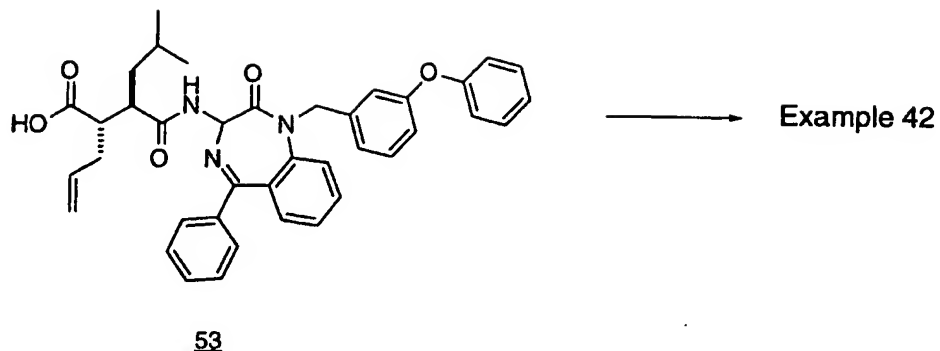
Synthesis of Example 42:



To a solution of benzodiazepine 50 (910 mg, 3.63mmol), succinate 9 (980 mg, 3.63mmol), hydroxybenzotriazole (980 mg., 7.25mmol) and EDC (870 mg, 4.54mmol) in 100 ml CH₂Cl₂ at 0 degrees was added triethylamine (0.76 ml, 5.45mmol). The reaction mixture was washed with saturated sodium bicarbonate solution, 1.0N HCl, brine and dried over MgSO₄. Evaporation of the organic layer and purification by column chromatography on silica gel with hexane-ethyl acetate (7:3) gave 610 mg of benzodiazepine 51 as a white solid. M + H = 504.37. ¹H NMR (CDCl₃) 0.8-1.0 (m, 6H), 1.0-1.2 (m, 1H), 1.4-1.5 (d, 9H), 1.6-1.9 (m, 2H), 2.2-2.8 (m, 4H), 4.9-5.2 (m, 2H), 5.6 (dd, 1H), 5.6-6.0 (m, 1H), 7.0-7.6 (m, 9H).



- To a solution of benzodiazepine **51** (440 mg, 0.875mmol) in DMF (20 ml) at 0 degrees was added NaH (45 mg, 1.12mmol). The mixture was stirred at 0 degrees for 1.5 hr and then a solution of 3-phenoxybenzyl iodide (330 mg, 1.06mmol) in 10 ml DMF was added dropwise. The reaction mixture was allowed to warm to room temperature and stirred overnight. TLC using hexanes:EtOAc 6:4 (product R_f = 0.31) indicated that the reaction was complete. The reaction mixture was quenched with water, and the solvent was evaporated under high vacuum, which provided a viscous yellow oil. The product benzodiazepine **52** was dissolved in ethyl acetate, which was washed with water (2x), brine and then dried over MgSO₄.
- Evaporation of solvent gave 600mg of benzodiazepine **52** as a yellow oil which was not further purified. M+H = 686.3, M+Na = 708.3. ¹H NMR (CDCl₃) 0.8-1.0 (m, 6H), 1.0-1.3 (m, 1H), 1.4-1.5 (d, 9H), 1.5-1.9 (2H), 2.2-2.7 (4H), 4.6-4.8 (d, 1H), 4.9-5.2 (m, 2H), 5.6-5.9 (m, 3H), 6.6-7.6 (m, 18H).
- A solution of benzodiazepine **52** in 40 ml of TFA/CH₂Cl₂ (1:1) was stirred overnight at room temperature then evaporated to dryness. Repeated addition of toluene and evaporation provided 560 mg. of **53** as a yellow solid. (M - H = 629.1)

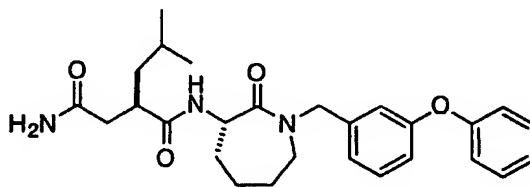


To a solution of benzodiazepine **53** and HATU (410mg, 1.08mmol) in 30 ml DMF was added diisopropylethylamine (0.6 ml, 3.44mmol) at 0 degrees. After 10 minutes, ammonia gas was bubbled through the solution for two minutes, and the reaction mixture was allowed to warm to room temperature and stirred overnight. Addition of water and solvent evaporation under high vacuum provided a yellow solid. The solid was taken up in ethyl acetate-water (1:1), and the organic layer was washed with water (2x), brine and then dried over MgSO₄. Evaporation of solvent gave a light yellow solid. Chromatographic purification on silica gel using CH₂Cl₂ : methanol (10:0.5) gave 256 mg of Example 42. M + H = 629.2

¹H NMR (CDCl₃) 0.8-1.0 (m, 6H), 1.2-1.4 (m, 1H), 1.6-2.0 (m, 2H), 2.2-2.8 (4H), 4.6-4.8 (m, 1H), 5.0-5.2 (m, 2H), 5.6-5.9 (m, 3H), 6.2-7.8 (m, 18H).

Example 43

(2R) N1-[(3S)-hexahydro-1-(3-phenoxybenzyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-butanediamide.



Step (43a): The compound of Step (43a) is formed by coupling succinate **7** (115 mg, 0.5 mmol) with the substituted caprolactam TFA salt (212 mg, 0.5 mmol) from Step (2c) of

Example 2 under the conditions reported for the synthesis of the compound of Example 8. The crude tert-butyl ester was taken on without further purification.

5 Step (43b): The compound of Step (43b) is formed by dissolving the crude product from Step (43a) in 5 mL of a 1:1 solution of TFA/CH₂Cl₂ and stirring at room temperature for 2 hours. Concentration followed by reconcentration twice from 10 mL of toluene provides the crude acid which was taken on with no further purification.

10 Step (43c): The title compound, Example 43, was prepared using the acid from Step (43b) under the conditions reported for the compound of Example 7. The compound was purified by chromatography eluting with 5% methanol in CH₂Cl₂ to afford 50 mg (21%, 3 steps) of a white powder. MS (M+Na)⁺
15 = 488.

UTILITY

A β production has been implicated in the pathology of Alzheimer's Disease (AD). The compounds of the present
20 invention have utility for the prevention and treatment of AD by inhibiting A β production. Methods of treatment target formation of A β production through the enzymes involved in the proteolytic processing of β amyloid precursor protein. Compounds that inhibit β or γ secretase activity, either
25 directly or indirectly, control the production of A β . Such inhibition of β or γ secretases reduces production of A β , and is expected to reduce or prevent the neurological disorders associated with A β protein, such as Alzheimer's Disease.

Cellular screening methods for inhibitors of A β
30 production, testing methods for the *in vivo* suppression of A β production, and assays for the detection of secretase activity are known in the art and have been disclosed in numerous publications, including PCT publication number WO 98/22493, EPO publication number 0652009, US patent 5703129
35 and US patent 5593846; all hereby incorporated by reference.

The compounds of the present invention have utility for the prevention and treatment of disorders involving A β production, such as cerebrovascular disorders.

Compounds of the present invention have been shown to inhibit A β production, as determined by the secretase inhibition assay described below.

Compounds of the present invention have been shown to
5 inhibit A β production, utilizing the C-terminus β amyloid precursor protein accumulation assay described below.

Compounds of Formula (I) are expected to possess γ -secretase inhibitory activity. The γ -secretase inhibitory activity of the compounds of the present invention is
10 demonstrated using assays for such activity, for Example, using the assay described below. Compounds of the present invention have been shown to inhibit the activity of γ -secretase, as determined by the A β immunoprecipitation assay.

Compounds provided by this invention should also be
15 useful as standards and reagents in determining the ability of a potential pharmaceutical to inhibit A β production. These would be provided in commercial kits comprising a compound of this invention.

As used herein " μ g" denotes microgram, "mg" denotes
20 milligram, "g" denotes gram, " μ L" denotes microliter, "mL" denotes milliliter, "L" denotes liter, "nM" denotes nanomolar, " μ M" denotes micromolar, "mM" denotes millimolar, "M" denotes molar, "nm" denotes nanometer, "SDS" denotes sodium dodecyl sulfate, and "DMSO" denotes dimethyl
25 sulfoxide, and "EDTA" denotes ethylenediaminetetraacetate.

A compound is considered to be active if it has an IC₅₀ or K_i value of less than about 100 μ M for the inhibition of A β production or inhibition of proteolytic activity leading to A β production. Compounds, as demonstrated by use of the
30 invention, have demonstrated IC₅₀ values, for the inhibition of A β production, of less than about 100 μ M. Preferably compounds, as demonstrated by use of the invention, demonstrate IC₅₀ values, for the inhibition of A β production, of less than about 1 μ M. More preferably compounds, as
35 demonstrated by use of the invention, demonstrate IC₅₀ values, for the inhibition of A β production, of less than about 100 nM. Even more preferably compounds, as demonstrated by use of the invention, demonstrate IC₅₀

values, for the inhibition of A β production, of less than about 50 nM.

β Amyloid Precursor Protein Accumulation Assay (β APPA assay)

5 An assay to evaluate the accumulation of A β protein was developed to detect potential inhibitors of secretases. The assay uses the N 9 cell line, characterized for expression of exogenous APP by immunoblotting and immunoprecipitation.

10 The effect of test compounds on the accumulation of A β in the conditioned medium is tested by immunoprecipitation. N 9 cells are grown to confluency in 6-well plates and washed twice with 1 x Hank's buffered salt solution. The cells are starved in methionine/cysteine deficient media for 30 min., followed by replacement with fresh deficient media containing
15 150uCi Tran35S-LABELTM (ICN). Test compounds dissolved in DMSO (final concentration 1%) are added, over a range of 1 picomolar to 100 micromolar, together with the addition of the fresh media containing Tran35S-LABELTM. The cells are incubated for 4 h at 37°C in a tissue culture incubator.

20 At the end of the incubation period, the conditioned medium is harvested and pre-cleared by the addition of 5 μ l normal mouse serum and 50ul of protein A Sepharose (Pharmacia), mixed by end-over-end rotation for 30 minutes at 4°C, followed by a brief centrifugation in a microfuge. The
25 supernatant is then harvested and transferred to fresh tubes containing 5ug of a monoclonal antibody (examples of antibodies include but are not limited by, clone 1101.1, directed against an internal peptide sequence in A β ; or 6E10 from Senetek; or 4G8 from Senetek; additionally polyclonals
30 from rabbit antihuman A β from Boehringer Mannheim) and 50 μ l protein A Sepharose. After incubation overnight at 4°C, the samples are washed three times with high salt washing buffer (50mM Tris, pH 7.5, 500mM NaCl, 5mM EDTA, 0.5% Nonidet P-40), three times with low salt wash buffer (50mM Tris, pH 7.5,
35 150mM NaCl, 5mM EDTA, 0.5% Nonidet P-40), and three times with 10mM Tris, pH 7.5. The pellet after the last wash is resuspended in SDS sample buffer (Laemmli U.K. Cleavage of structural proteins during the assembly of the head of

bacteriophage T4. Nature 227, 680-5, 1970.) and boiled for 3 minutes. The supernatant is then fractionated on either 10-20% Tris/Tricine SDS gels or on 16.5% Tris/Tricine SDS gels. The gels are dried and exposed to X-ray film or analyzed by phosphorimaging. The resulting image is analyzed for the presence of A β polypeptides. The steady-state level of A β in the presence of a test compound is compared to wells treated with DMSO (1%) alone. A typical test compound in this assay blocks A β accumulation in the conditioned medium, and is considered active with an IC₅₀ less than 100 μ M.

C-Terminus β Amyloid Precursor Protein Accumulation Assay (CTF assay)

The effect of test compounds on the accumulation of C-terminal fragments is determined by immunoprecipitation of APP and fragments thereof from cell lysates. N 9 cells are metabolically labeled, as above, with media containing Tran35S-LABELTM, in the presence or absence of test compounds. At the end of the incubation period, the conditioned medium are harvested and cells lysed in RIPA buffer (10 mM Tris, pH 8.0 containing 1% Triton X-100, 1% deoxycholate, 0.1% SDS, 150mM NaCl, 0.125% NaN₃). Again, lysates are precleared with 5ul normal rabbit serum/50ul protein A Sepharose, followed by the addition of BC-1 antiserum (15 μ l;) and 50 μ l protein A Sepharose for 16 hours at 4°C. The immunoprecipitates are washed as above, bound proteins eluted by boiling in SDS sample buffer and fractionated by Tris/Tricine SDS-PAGE. After exposure to X-ray film or phosphorimager, the resulting images are analyzed for the presence of C-terminal APP fragments. The steady-state level of C-terminal APP fragments is compared to wells treated with DMSO (1%) alone. A typical test compound in this assay stimulates C-terminal fragment accumulation in the cell lysates, and is considered active with an IC₅₀ less than 100 μ M.

Accumulation-Release Assay

This immunoprecipitation assay is specific for γ secretase activity (i.e., proteolytic activity required to generate the C-terminal end of A β either by direct cleavage or generating a C-terminal extended species which is subsequently further proteolyzed). N 9 cells are pulse labeled with media containing Tran35S-LABELTM in the presence of a reported γ secretase inhibitor (MDL 28170; Higaki J, Quon D, Zhong Z, Cordell B. Inhibition of beta-amyloid formation identifies proteolytic precursors and subcellular site of catabolism. Neuron 14, 651-659, 1995) for 1 h, followed by washing to remove ³⁵S radiolabel and MDL 28170. The media is replaced and test compounds are added over a dose range (for example 0.1nM to 100uM). The cells are chased for increasing periods of times and A β is isolated from the conditioned medium and C-terminal fragments from cell lysates (see accumulation assay above). The activity of test compounds are characterized by whether a stabilization of C-terminal fragments is observed and whether A β is generated from these accumulated precursor. A typical test compound in this assay prevents the generation of A β out of accumulated C-terminal fragments and is considered active with an IC₅₀ less than 100 μ M.

Dosage and Formulation

The compounds determined from the present invention can be administered orally using any pharmaceutically acceptable dosage form known in the art for such administration. The active ingredient can be supplied in solid dosage forms such as dry powders, granules, tablets or capsules, or in liquid dosage forms, such as syrups or aqueous suspensions. The active ingredient can be administered alone, but is generally administered with a pharmaceutical carrier. A valuable treatise with respect to pharmaceutical dosage forms is Remington's Pharmaceutical Sciences, Mack Publishing.

The compounds determined from the present invention can be administered in such oral dosage forms as tablets, capsules (each of which includes sustained release or timed release formulations), pills, powders, granules, elixirs,

tinctures, suspensions, syrups, and emulsions. Likewise, they may also be administered in intravenous (bolus or infusion), intraperitoneal, subcutaneous, or intramuscular form, all using dosage forms well known to those of ordinary skill in the pharmaceutical arts. An effective but non-toxic amount of the compound desired can be employed to prevent or treat neurological disorders related to β -amyloid production or accumulation, such as Alzheimer's disease and Down's Syndrome.

10 The compounds of this invention can be administered by any means that produces contact of the active agent with the agent's site of action in the body of a host, such as a human or a mammal. They can be administered by any conventional means available for use in conjunction with pharmaceuticals, 15 either as individual therapeutic agents or in a combination of therapeutic agents. They can be administered alone, but generally administered with a pharmaceutical carrier selected on the basis of the chosen route of administration and standard pharmaceutical practice.

20 The dosage regimen for the compounds determined from the present invention will, of course, vary depending upon known factors, such as the pharmacodynamic characteristics of the particular agent and its mode and route of administration; the species, age, sex, health, medical condition, and weight 25 of the recipient; the nature and extent of the symptoms; the kind of concurrent treatment; the frequency of treatment; the route of administration, the renal and hepatic function of the patient, and the effect desired. An ordinarily skilled physician or veterinarian can readily determine and prescribe 30 the effective amount of the drug required to prevent, counter, or arrest the progress of the condition.

Advantageously, compounds determined from the present invention may be administered in a single daily dose, or the total daily dosage may be administered in divided doses of 35 two, three, or four times daily.

The compounds identified using the present invention can be administered in intranasal form via topical use of suitable intranasal vehicles, or via transdermal routes,

using those forms of transdermal skin patches well known to those of ordinary skill in that art. To be administered in the form of a transdermal delivery system, the dosage administration will, of course, be continuous rather than
5 intermittent throughout the dosage regimen.

In the methods of the present invention, the compounds herein described in detail can form the active ingredient, and are typically administered in admixture with suitable pharmaceutical diluents, excipients, or carriers
10 (collectively referred to herein as carrier materials) suitably selected with respect to the intended form of administration, that is, oral tablets, capsules, elixirs, syrups and the like, and consistent with conventional pharmaceutical practices.

For instance, for oral administration in the form of a tablet or capsule, the active drug component can be combined with an oral, non-toxic, pharmaceutically acceptable, inert carrier such as lactose, starch, sucrose, glucose, methyl cellulose, magnesium stearate, dicalcium phosphate, calcium
15 sulfate, mannitol, sorbitol and the like; for oral administration in liquid form, the oral drug components can be combined with any oral, non-toxic, pharmaceutically acceptable inert carrier such as ethanol, glycerol, water, and the like. Moreover, when desired or necessary, suitable
20 binders, lubricants, disintegrating agents, and coloring agents can also be incorporated into the mixture. Suitable binders include starch, gelatin, natural sugars such as glucose or β -lactose, corn sweeteners, natural and synthetic gums such as acacia, tragacanth, or sodium alginate,
25 carboxymethylcellulose, polyethylene glycol, waxes, and the like. Lubricants used in these dosage forms include sodium oleate, sodium stearate, magnesium stearate, sodium benzoate, sodium acetate, sodium chloride, and the like. Disintegrators include, without limitation, starch, methyl
30 cellulose, agar, bentonite, xanthan gum, and the like.

The compounds determined from the present invention can also be administered in the form of liposome delivery systems, such as small unilamellar vesicles, large

unilamellar vesicles, and multilamellar vesicles. Liposomes can be formed from a variety of phospholipids, such as cholesterol, stearylamine, or phosphatidylcholines.

Compounds of the present invention may also be coupled
5 with soluble polymers as targetable drug carriers. Such polymers can include polyvinylpyrrolidone, pyran copolymer, polyhydroxypropylmethacrylamide-phenol, polyhydroxyethylaspartamidephenol, or polyethyleneoxide-polylysine substituted with palmitoyl residues. Furthermore,
10 the compounds determined from the present invention may be coupled to a class of biodegradable polymers useful in achieving controlled release of a drug, for example, polylactic acid, polyglycolic acid, copolymers of polylactic and polyglycolic acid, polyepsilon caprolactone, polyhydroxy
15 butyric acid, polyorthoesters, polyacetals, polydihydropyrans, polycyanoacrylates, and crosslinked or amphipathic block copolymers of hydrogels.

Gelatin capsules may contain the active ingredient and powdered carriers, such as lactose, starch, cellulose
20 derivatives, magnesium stearate, stearic acid, and the like. Similar diluents can be used to make compressed tablets. Both tablets and capsules can be manufactured as sustained release products to provide for continuous release of medication over a period of hours. Compressed tablets can be
25 sugar coated or film coated to mask any unpleasant taste and protect the tablet from the atmosphere, or enteric coated for selective disintegration in the gastrointestinal tract. Liquid dosage forms for oral administration can contain coloring and flavoring to increase patient acceptance.

30 In general, water, a suitable oil, saline, aqueous dextrose (glucose), and related sugar solutions and glycols such as propylene glycol or polyethylene glycols are suitable carriers for parenteral solutions. Solutions for parenteral administration preferably contain a water soluble salt of the
35 active ingredient, suitable stabilizing agents, and if necessary, buffer substances. Antioxidizing agents such as sodium bisulfite, sodium sulfite, or ascorbic acid, either alone or combined, are suitable stabilizing agents. Also

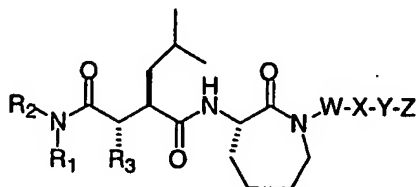
used are citric acid and its salts and sodium EDTA. In addition, parenteral solutions can contain preservatives, such as benzalkonium chloride, methyl- or propyl-paraben, and chlorobutanol.

- 5 Suitable pharmaceutical carriers are described in Remington's Pharmaceutical Sciences, Mack Publishing Company, a standard reference text in this field.

The Tables below provide representative Examples of the compounds of Formula (I) of the present invention.

5

Table 1



Ex #	R ¹	R ²	R ³	Z-Y-X-W
1	H	OH	propyl	3,3-diphenylpropyl
2	H	OH	propyl	3-phenoxybenzyl
3	H	OH	propyl	phenyl
4	H	CH ₃	propyl	3-phenoxybenzyl
5	CH ₃	OCH ₃	propyl	3-phenoxybenzyl
6	H	OCH ₃	propyl	3-phenoxybenzyl
7	H	H	propyl	3-phenoxybenzyl
7A	H	NH ₂	propyl	3-phenoxybenzyl
8	H	H	allyl	3-phenoxybenzyl
9	H	OH	allyl	3-phenoxybenzyl
10	H	OH	propyl	3-(2,4-dichlorophenyl)-benzyl
11	H	OH	propyl	3-(4-fluorophenyl)-benzyl
12	H	OH	propyl	3-(4-methylphenyl)-benzyl
13	H	OH	propyl	3-(4-methoxyphenyl)-benzyl
14	H	OH	propyl	3-(3-methylphenyl)-benzyl
15	H	OH	propyl	3-(3-chloro-4-fluorophenyl)-benzyl
16	H	OH	propyl	3-(4-trifluoromethyl-phenyl)benzyl
17	H	OH	propyl	3-(3-methoxyphenyl)-benzyl
18	H	OH	propyl	3-(3-fluorophenyl)-benzyl
19	H	OH	propyl	3-(2-methoxyphenyl)-benzyl
20	H	OH	propyl	3-(2-naphthyl)benzyl
21	H	H	propyl	3-(4-methoxyphenyl)-benzyl

22	H	H	propyl	3-(3-fluorophenyl)-benzyl
23	H	H	propyl	3-(4-F ₃ C-phenyl)benzyl
24	H	H	propyl	3-(2,4-Cl ₂ -phenyl)benzyl
25	H	H	propyl	3-(4-H ₃ C-phenyl)benzyl
26	H	H	propyl	3-(4-H ₃ CO-phenyl)benzyl
27	H	H	propyl	3-(3-Cl,4-F-phenyl)-benzyl
28	H	H	propyl	3-(3-H ₃ CO-phenyl)benzyl
29	H	H	propyl	3-(2-H ₃ CO-phenyl)benzyl
30	H	H	propyl	3-(4-H ₃ CO-phenyl)-pyrid-5-ylmethyl
31	H	H	propyl	3-(4-F ₃ C-phenyl)-pyrid-5-ylmethyl
32	H	H	propyl	3-(3-Cl,4-F-phenyl)-pyrid-5-ylmethyl
33	H	n-butyl	propyl	3-phenoxybenzyl
34	H	2-furyl-methyl	propyl	3-phenoxybenzyl
35	H	C ₅ H ₉	propyl	3-phenoxybenzyl
36	H	cinnamyl	propyl	3-phenoxybenzyl
37	H	H	allyl	benzophenone-3-yl-methyl
38	H	H	propyl	benzophenone-3-yl-methyl
39	H	H	propyl	4-(4-F ₃ C-phenyl)benzyl
40*	H	H	i-butyl R ⁵ =propyl	3-(2-tetrazolyl-phenyl)-benzyl
41*	H	H	i-butyl R ⁵ =propyl	3-phenoxybenzyl
43	H	H	H	3-phenoxybenzyl

* For these compounds the i-butyl substituent on the carbon adjacent to CR³ in the captioned figure is actually n-propyl.

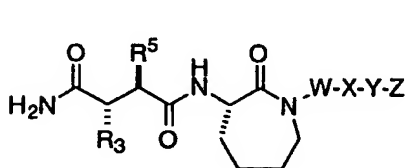
Table 2 demonstrates representative compounds envisaged within the scope of the present invention. Each formulae at the start of Table 2 are intended to be paired with each entry in the table which follows.

For example the compound (2R,3S) N1-[(3S)-hexahydro-1-(3-(3,4-dimethoxyphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide is represented by Example #139-A-j, which comprises the core A, succinate j, and entry #139.

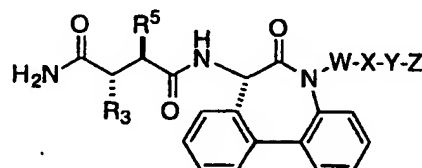
For example the compound (2R,3S) N1-[6,7-dihydro-5-(3-(3,4-dimethoxyphenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide is represented by Example #139-B-j, which comprises the core B, succinate j, and entry #139.

For example the compound (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3,4-dimethoxyphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide, is represented by Example #139-C-ab, which comprises the core C, succinate ab, and entry #139.

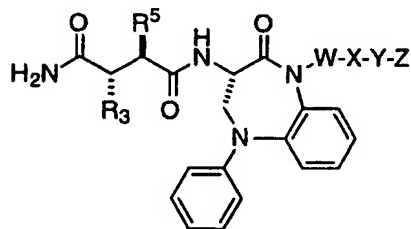
Table 2



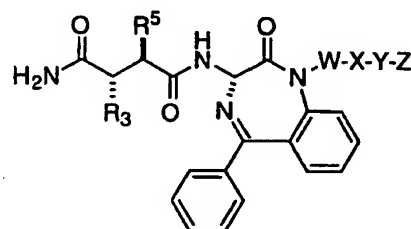
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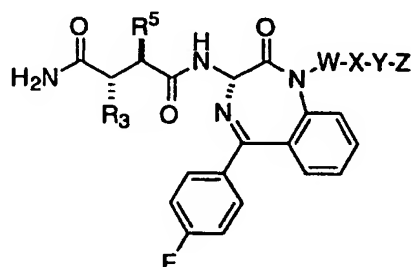
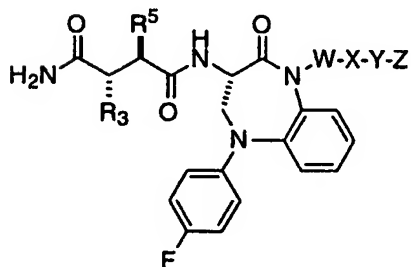
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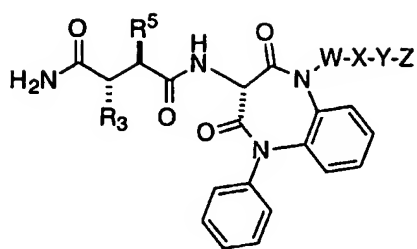
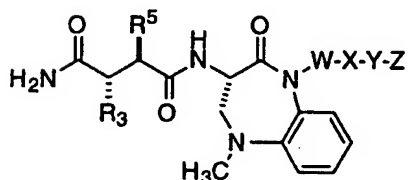
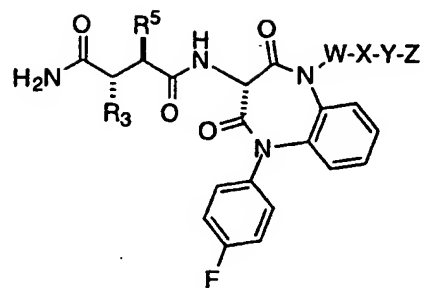
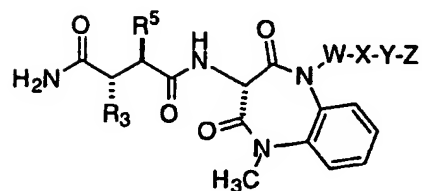
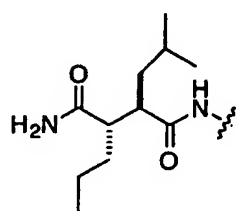
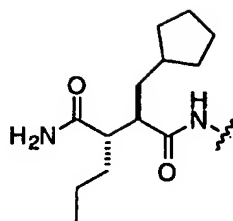
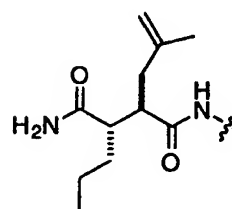
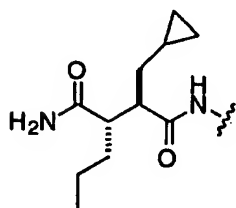
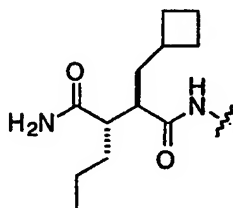
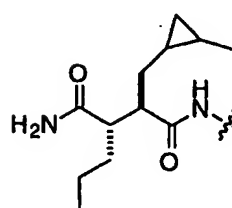


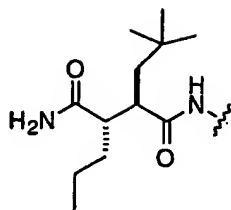
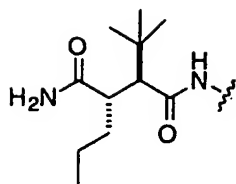
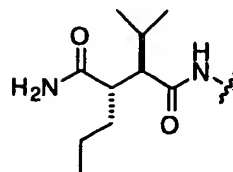
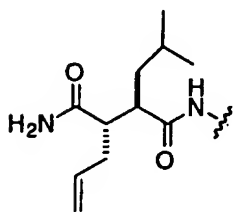
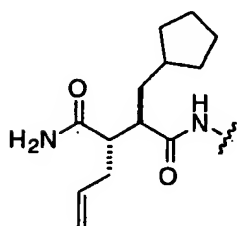
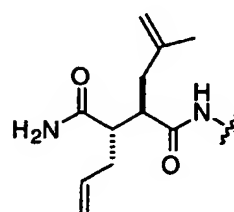
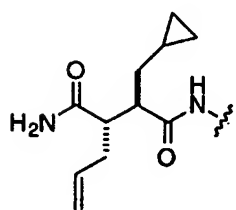
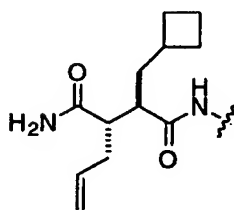
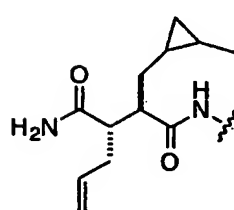
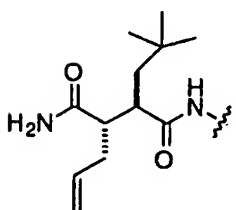
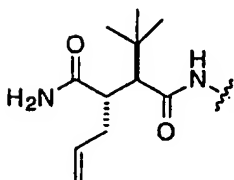
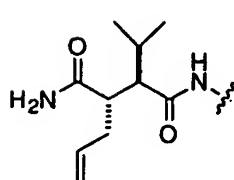
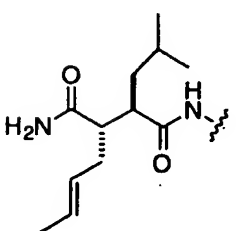
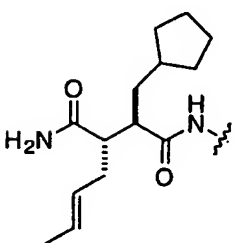
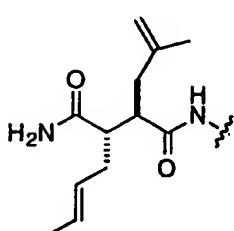
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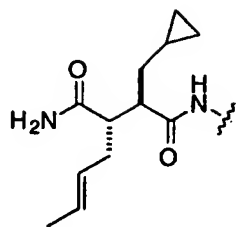


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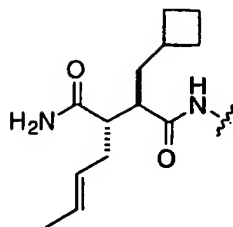


E**G****J****F****H****K**wherein R³ and R⁵ are:**a****b****c****d****e****f**

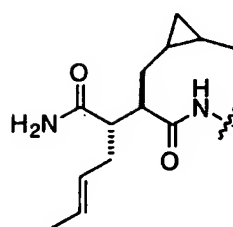
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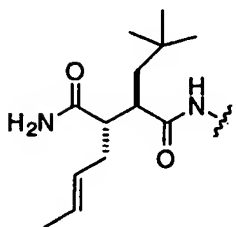
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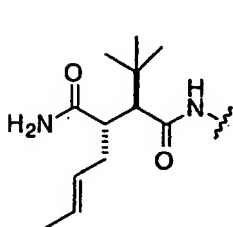
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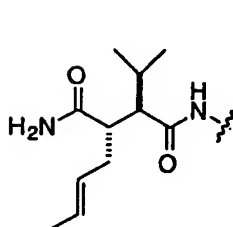
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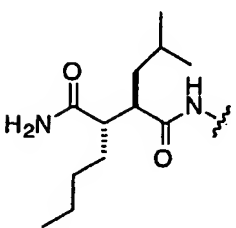
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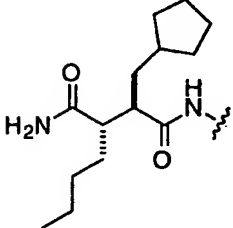
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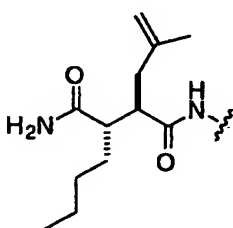
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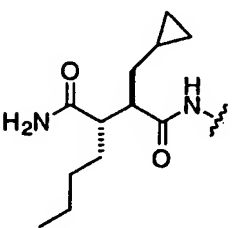
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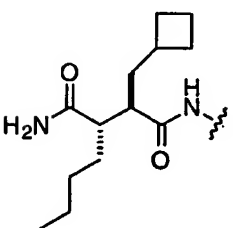
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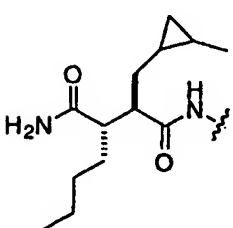
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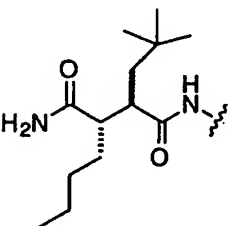
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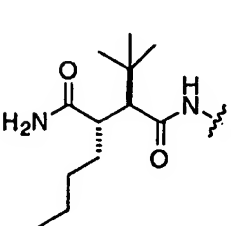
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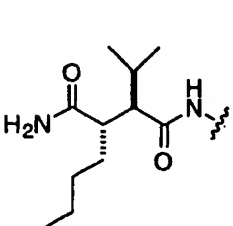
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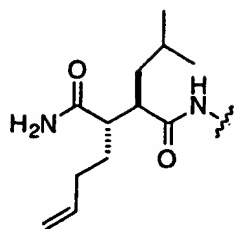
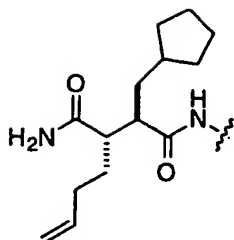
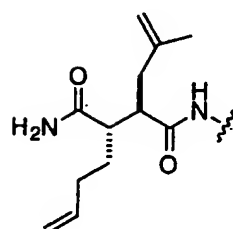
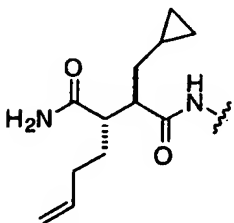
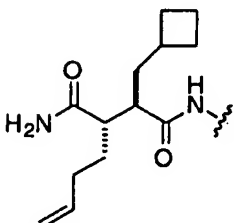
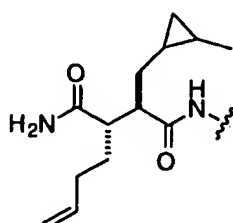
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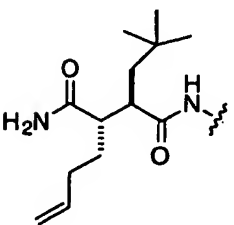
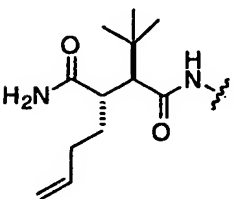
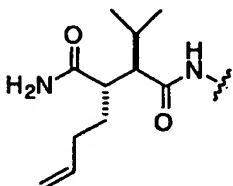
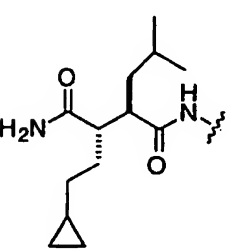
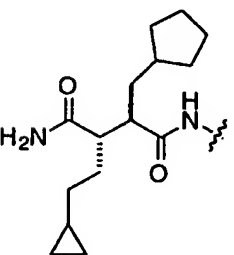
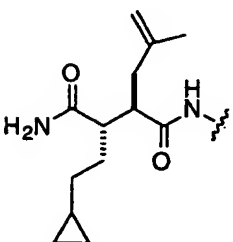
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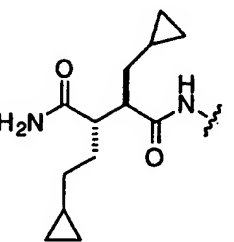
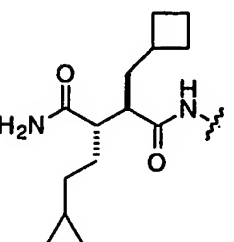
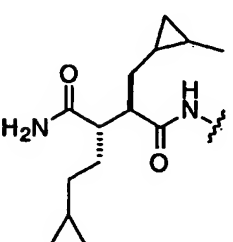
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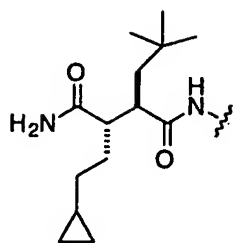
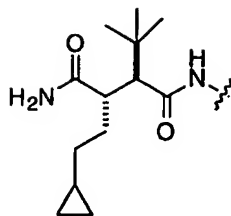
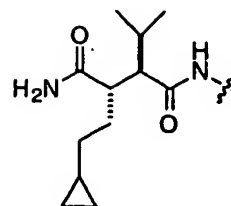
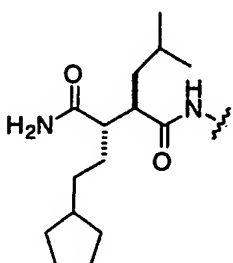
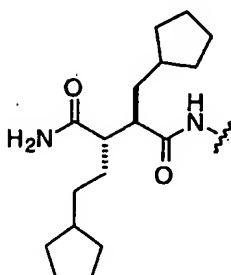
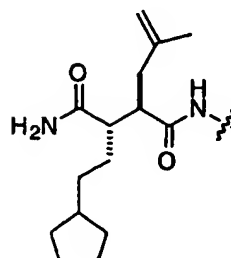
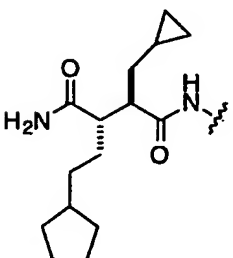
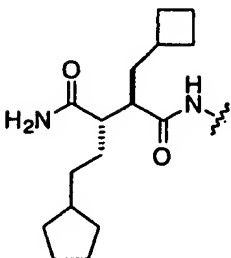
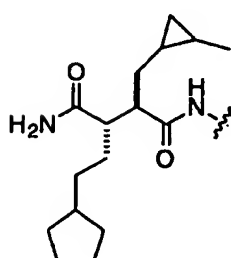
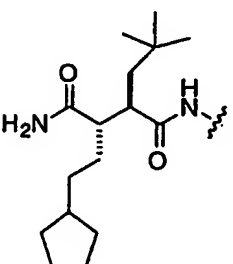
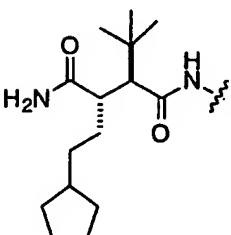
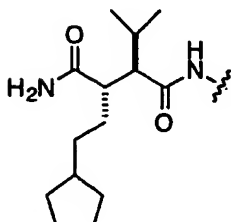
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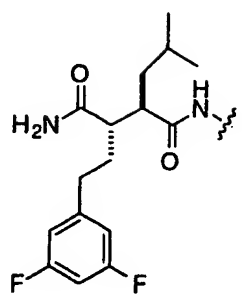
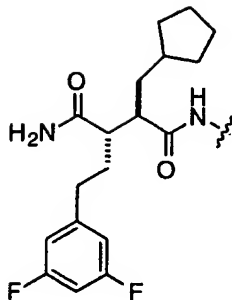
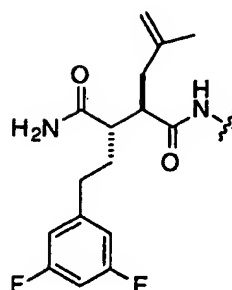
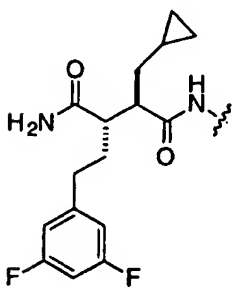
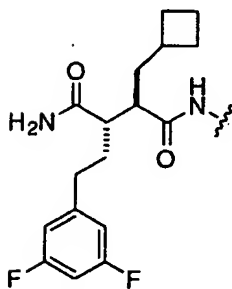
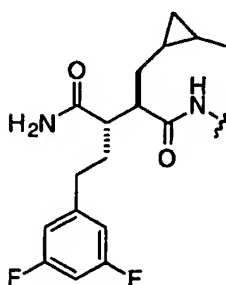
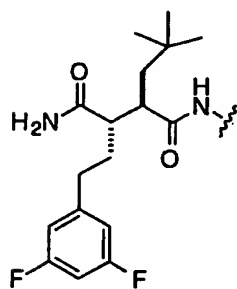
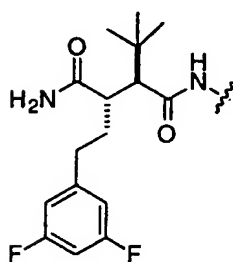
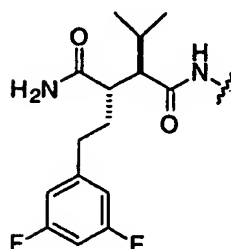
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**aq****ar****as****at****au****av**

10

**aw****ax****ay**

**az****ba****bb****bc****bd****be****bf****bg****bh****bi****bi****bk**

**b1****bm****bn****bo****bp****bq****br****bs****bt**

10

Ex #	W	X	Y	Z
100	-CH ₂ -	phen-1,3-diyl	bond	phenyl
101	-CH ₂ -	phen-1,3-diyl	bond	3,3-diphenylmethyl
102	-CH ₂ -	phen-1,3-diyl	bond	2-F-phenyl
103	-CH ₂ -	phen-1,3-diyl	bond	3-F-phenyl
104	-CH ₂ -	phen-1,3-diyl	bond	4-F-phenyl
105	-CH ₂ -	phen-1,3-diyl	bond	2-Cl-phenyl
106	-CH ₂ -	phen-1,3-diyl	bond	3-Cl-phenyl
107	-CH ₂ -	phen-1,3-diyl	bond	4-Cl-phenyl
108	-CH ₂ -	phen-1,3-diyl	bond	2-Me-phenyl
109	-CH ₂ -	phen-1,3-diyl	bond	3-Me-phenyl
110	-CH ₂ -	phen-1,3-diyl	bond	4-Me-phenyl
111	-CH ₂ -	phen-1,3-diyl	bond	2-MeO-phenyl

112	-CH ₂ -	phen-1,3-diyl	bond	3-MeO-phenyl
113	-CH ₂ -	phen-1,3-diyl	bond	4-MeO-phenyl
114	-CH ₂ -	phen-1,3-diyl	bond	2-MeS-phenyl
115	-CH ₂ -	phen-1,3-diyl	bond	3-MeS-phenyl
116	-CH ₂ -	phen-1,3-diyl	bond	4-MeS-phenyl
117	-CH ₂ -	phen-1,3-diyl	bond	2-F ₃ C-phenyl
118	-CH ₂ -	phen-1,3-diyl	bond	3-F ₃ C-phenyl
119	-CH ₂ -	phen-1,3-diyl	bond	4-F ₃ C-phenyl
120	-CH ₂ -	phen-1,3-diyl	bond	2,3-diF-phenyl
121	-CH ₂ -	phen-1,3-diyl	bond	2,4-diF-phenyl
122	-CH ₂ -	phen-1,3-diyl	bond	2,5-diF-phenyl
123	-CH ₂ -	phen-1,3-diyl	bond	2,6-diF-phenyl
124	-CH ₂ -	phen-1,3-diyl	bond	3,4-diF-phenyl
125	-CH ₂ -	phen-1,3-diyl	bond	3,5-diF-phenyl
126	-CH ₂ -	phen-1,3-diyl	bond	2,3-diCl-phenyl
127	-CH ₂ -	phen-1,3-diyl	bond	2,4-diCl-phenyl
128	-CH ₂ -	phen-1,3-diyl	bond	2,5-diCl-phenyl
129	-CH ₂ -	phen-1,3-diyl	bond	2,6-diCl-phenyl
130	-CH ₂ -	phen-1,3-diyl	bond	3,4-diCl-phenyl
131	-CH ₂ -	phen-1,3-diyl	bond	3,5-diCl-phenyl
132	-CH ₂ -	phen-1,3-diyl	bond	2-Cl-3-F-phenyl
133	-CH ₂ -	phen-1,3-diyl	bond	2-Cl-4-F-phenyl
134	-CH ₂ -	phen-1,3-diyl	bond	2-Cl-5-F-phenyl
135	-CH ₂ -	phen-1,3-diyl	bond	3-Cl-4-F-phenyl
136	-CH ₂ -	phen-1,3-diyl	bond	3-Cl-5-F-phenyl
137	-CH ₂ -	phen-1,3-diyl	bond	4-Cl-2-F-phenyl
138	-CH ₂ -	phen-1,3-diyl	bond	4-Cl-3-F-phenyl
139	-CH ₂ -	phen-1,3-diyl	bond	2,3-diMeO-phenyl
140	-CH ₂ -	phen-1,3-diyl	bond	2,4-diMeO-phenyl
141	-CH ₂ -	phen-1,3-diyl	bond	2,5-diMeO-phenyl
142	-CH ₂ -	phen-1,3-diyl	bond	2,6-diMeO-phenyl
143	-CH ₂ -	phen-1,3-diyl	bond	3,4-diMeO-phenyl
144	-CH ₂ -	phen-1,3-diyl	bond	3,5-diMeO-phenyl
145	-CH ₂ -	phen-1,3-diyl	bond	cyclopropyl
146	-CH ₂ -	phen-1,3-diyl	bond	cyclobutyl
147	-CH ₂ -	phen-1,3-diyl	bond	cyclopentyl
148	-CH ₂ -	phen-1,3-diyl	bond	cyclohexyl
149	-CH ₂ -	phen-1,3-diyl	bond	2-furanyl
150	-CH ₂ -	phen-1,3-diyl	bond	2-thienyl
151	-CH ₂ -	phen-1,3-diyl	bond	2-imidazolyl
152	-CH ₂ -	phen-1,3-diyl	bond	2-pyridyl
153	-CH ₂ -	phen-1,3-diyl	bond	3-pyridyl
154	-CH ₂ -	phen-1,3-diyl	bond	4-pyridyl
155	-CH ₂ -	phen-1,3-diyl	bond	N-morpholinyl
156	-CH ₂ -	phen-1,3-diyl	bond	N-piperidinyl
157	-CH ₂ -	phen-1,3-diyl	bond	3-Me-2-pyridyl
158	-CH ₂ -	phen-1,3-diyl	bond	4-Me-2-pyridyl
159	-CH ₂ -	phen-1,3-diyl	bond	1-indolyl

160	-CH ₂ -	phen-1,3-diyl	bond	2-benzothienyl
161	-CH ₂ -	phen-1,3-diyl	bond	2-benzofuranyl
162	-CH ₂ -	phen-1,3-diyl	bond	1-benzimidazole
163	-CH ₂ -	phen-1,3-diyl	bond	2-naphthyl
164	-CH ₂ -	pyridin-3,5-diyl	bond	phenyl
165	-CH ₂ -	pyridin-3,5-diyl	bond	3,3-diphenylmethyl
166	-CH ₂ -	pyridin-3,5-diyl	bond	2-F-phenyl
167	-CH ₂ -	pyridin-3,5-diyl	bond	3-F-phenyl
168	-CH ₂ -	pyridin-3,5-diyl	bond	4-F-phenyl
169	-CH ₂ -	pyridin-3,5-diyl	bond	2-Cl-phenyl
170	-CH ₂ -	pyridin-3,5-diyl	bond	3-Cl-phenyl
171	-CH ₂ -	pyridin-3,5-diyl	bond	4-Cl-phenyl
172	-CH ₂ -	pyridin-3,5-diyl	bond	2-Me-phenyl
173	-CH ₂ -	pyridin-3,5-diyl	bond	3-Me-phenyl
174	-CH ₂ -	pyridin-3,5-diyl	bond	4-Me-phenyl
175	-CH ₂ -	pyridin-3,5-diyl	bond	2-MeO-phenyl
176	-CH ₂ -	pyridin-3,5-diyl	bond	3-MeO-phenyl
177	-CH ₂ -	pyridin-3,5-diyl	bond	4-MeO-phenyl
178	-CH ₂ -	pyridin-3,5-diyl	bond	2-MeS-phenyl
179	-CH ₂ -	pyridin-3,5-diyl	bond	3-MeS-phenyl
180	-CH ₂ -	pyridin-3,5-diyl	bond	4-MeS-phenyl
181	-CH ₂ -	pyridin-3,5-diyl	bond	2-F ₃ C-phenyl
182	-CH ₂ -	pyridin-3,5-diyl	bond	3-F ₃ C-phenyl
183	-CH ₂ -	pyridin-3,5-diyl	bond	4-F ₃ C-phenyl
184	-CH ₂ -	pyridin-3,5-diyl	bond	2,3-diF-phenyl
185	-CH ₂ -	pyridin-3,5-diyl	bond	2,4-diF-phenyl
186	-CH ₂ -	pyridin-3,5-diyl	bond	2,5-diF-phenyl
187	-CH ₂ -	pyridin-3,5-diyl	bond	2,6-diF-phenyl
188	-CH ₂ -	pyridin-3,5-diyl	bond	3,4-diF-phenyl
189	-CH ₂ -	pyridin-3,5-diyl	bond	3,5-diF-phenyl
190	-CH ₂ -	pyridin-3,5-diyl	bond	2,3-diCl-phenyl
191	-CH ₂ -	pyridin-3,5-diyl	bond	2,4-diCl-phenyl
192	-CH ₂ -	pyridin-3,5-diyl	bond	2,5-diCl-phenyl
193	-CH ₂ -	pyridin-3,5-diyl	bond	2,6-diCl-phenyl
194	-CH ₂ -	pyridin-3,5-diyl	bond	3,4-diCl-phenyl
195	-CH ₂ -	pyridin-3,5-diyl	bond	3,5-diCl-phenyl
196	-CH ₂ -	pyridin-3,5-diyl	bond	2-Cl-3-F-phenyl
197	-CH ₂ -	pyridin-3,5-diyl	bond	2-Cl-4-F-phenyl
198	-CH ₂ -	pyridin-3,5-diyl	bond	2-Cl-5-F-phenyl
199	-CH ₂ -	pyridin-3,5-diyl	bond	3-Cl-4-F-phenyl
200	-CH ₂ -	pyridin-3,5-diyl	bond	3-Cl-5-F-phenyl
201	-CH ₂ -	pyridin-3,5-diyl	bond	4-Cl-2-F-phenyl
202	-CH ₂ -	pyridin-3,5-diyl	bond	4-Cl-3-F-phenyl
203	-CH ₂ -	pyridin-3,5-diyl	bond	2,3-diMeO-phenyl
204	-CH ₂ -	pyridin-3,5-diyl	bond	2,4-diMeO-phenyl
205	-CH ₂ -	pyridin-3,5-diyl	bond	2,5-diMeO-phenyl
206	-CH ₂ -	pyridin-3,5-diyl	bond	2,6-diMeO-phenyl
207	-CH ₂ -	pyridin-3,5-diyl	bond	3,4-diMeO-phenyl

208	-CH ₂ -	pyridin-3,5-diyl	bond	3,5-diMeO-phenyl
209	-CH ₂ -	pyridin-3,5-diyl	bond	cyclopropyl
210	-CH ₂ -	pyridin-3,5-diyl	bond	cyclobutyl
211	-CH ₂ -	pyridin-3,5-diyl	bond	cyclopentyl
212	-CH ₂ -	pyridin-3,5-diyl	bond	cyclohexyl
213	-CH ₂ -	pyridin-3,5-diyl	bond	2-furanyl
214	-CH ₂ -	pyridin-3,5-diyl	bond	2-thienyl
215	-CH ₂ -	pyridin-3,5-diyl	bond	2-imidazolyl
216	-CH ₂ -	pyridin-3,5-diyl	bond	2-pyridyl
217	-CH ₂ -	pyridin-3,5-diyl	bond	3-pyridyl
218	-CH ₂ -	pyridin-3,5-diyl	bond	4-pyridyl
219	-CH ₂ -	pyridin-3,5-diyl	bond	N-morpholinyl
220	-CH ₂ -	pyridin-3,5-diyl	bond	N-piperidinyl
221	-CH ₂ -	pyridin-3,5-diyl	bond	3-Me-2-pyridyl
222	-CH ₂ -	pyridin-3,5-diyl	bond	4-Me-2-pyridyl
223	-CH ₂ -	pyridin-3,5-diyl	bond	1-indolyl
224	-CH ₂ -	pyridin-3,5-diyl	bond	2-benzothienyl
225	-CH ₂ -	pyridin-3,5-diyl	bond	2-benzofuranyl
226	-CH ₂ -	pyridin-3,5-diyl	bond	1-benzimidazole
227	-CH ₂ -	pyridin-3,5-diyl	bond	2-naphthyl
228	-CH ₂ -	pyridin-2,6-diyl	bond	phenyl
229	-CH ₂ -	pyridin-2,6-diyl	bond	3,3-diphenylmethyl
230	-CH ₂ -	pyridin-2,6-diyl	bond	2-F-phenyl
231	-CH ₂ -	pyridin-2,6-diyl	bond	3-F-phenyl
232	-CH ₂ -	pyridin-2,6-diyl	bond	4-F-phenyl
233	-CH ₂ -	pyridin-2,6-diyl	bond	2-Cl-phenyl
234	-CH ₂ -	pyridin-2,6-diyl	bond	3-Cl-phenyl
235	-CH ₂ -	pyridin-2,6-diyl	bond	4-Cl-phenyl
236	-CH ₂ -	pyridin-2,6-diyl	bond	2-Me-phenyl
237	-CH ₂ -	pyridin-2,6-diyl	bond	3-Me-phenyl
238	-CH ₂ -	pyridin-2,6-diyl	bond	4-Me-phenyl
239	-CH ₂ -	pyridin-2,6-diyl	bond	2-MeO-phenyl
240	-CH ₂ -	pyridin-2,6-diyl	bond	3-MeO-phenyl
241	-CH ₂ -	pyridin-2,6-diyl	bond	4-MeO-phenyl
242	-CH ₂ -	pyridin-2,6-diyl	bond	2-MeS-phenyl
243	-CH ₂ -	pyridin-2,6-diyl	bond	3-MeS-phenyl
244	-CH ₂ -	pyridin-2,6-diyl	bond	4-MeS-phenyl
245	-CH ₂ -	pyridin-2,6-diyl	bond	2-F ₃ C-phenyl
246	-CH ₂ -	pyridin-2,6-diyl	bond	3-F ₃ C-phenyl
247	-CH ₂ -	pyridin-2,6-diyl	bond	4-F ₃ C-phenyl
248	-CH ₂ -	pyridin-2,6-diyl	bond	2,3-diF-phenyl
249	-CH ₂ -	pyridin-2,6-diyl	bond	2,4-diF-phenyl
250	-CH ₂ -	pyridin-2,6-diyl	bond	2,5-diF-phenyl
251	-CH ₂ -	pyridin-2,6-diyl	bond	2,6-diF-phenyl
252	-CH ₂ -	pyridin-2,6-diyl	bond	3,4-diF-phenyl
253	-CH ₂ -	pyridin-2,6-diyl	bond	3,5-diF-phenyl
254	-CH ₂ -	pyridin-2,6-diyl	bond	2,3-diCl-phenyl
255	-CH ₂ -	pyridin-2,6-diyl	bond	2,4-diCl-phenyl

256	-CH ₂ -	pyridin-2,6-diyl	bond	2,5-diCl-phenyl
257	-CH ₂ -	pyridin-2,6-diyl	bond	2,6-diCl-phenyl
258	-CH ₂ -	pyridin-2,6-diyl	bond	3,4-diCl-phenyl
259	-CH ₂ -	pyridin-2,6-diyl	bond	3,5-diCl-phenyl
260	-CH ₂ -	pyridin-2,6-diyl	bond	2-Cl-3-F-phenyl
261	-CH ₂ -	pyridin-2,6-diyl	bond	2-Cl-4-F-phenyl
262	-CH ₂ -	pyridin-2,6-diyl	bond	2-Cl-5-F-phenyl
263	-CH ₂ -	pyridin-2,6-diyl	bond	3-Cl-4-F-phenyl
264	-CH ₂ -	pyridin-2,6-diyl	bond	3-Cl-5-F-phenyl
265	-CH ₂ -	pyridin-2,6-diyl	bond	4-Cl-2-F-phenyl
266	-CH ₂ -	pyridin-2,6-diyl	bond	4-Cl-3-F-phenyl
267	-CH ₂ -	pyridin-2,6-diyl	bond	2,3-diMeO-phenyl
268	-CH ₂ -	pyridin-2,6-diyl	bond	2,4-diMeO-phenyl
269	-CH ₂ -	pyridin-2,6-diyl	bond	2,5-diMeO-phenyl
270	-CH ₂ -	pyridin-2,6-diyl	bond	2,6-diMeO-phenyl
271	-CH ₂ -	pyridin-2,6-diyl	bond	3,4-diMeO-phenyl
272	-CH ₂ -	pyridin-2,6-diyl	bond	3,5-diMeO-phenyl
273	-CH ₂ -	pyridin-2,6-diyl	bond	cyclopropyl
274	-CH ₂ -	pyridin-2,6-diyl	bond	cyclobutyl
275	-CH ₂ -	pyridin-2,6-diyl	bond	cyclopentyl
276	-CH ₂ -	pyridin-2,6-diyl	bond	cyclohexyl
277	-CH ₂ -	pyridin-2,6-diyl	bond	2-furanyl
278	-CH ₂ -	pyridin-2,6-diyl	bond	2-thienyl
279	-CH ₂ -	pyridin-2,6-diyl	bond	2-imidazolyl
280	-CH ₂ -	pyridin-2,6-diyl	bond	2-pyridyl
281	-CH ₂ -	pyridin-2,6-diyl	bond	3-pyridyl
282	-CH ₂ -	pyridin-2,6-diyl	bond	4-pyridyl
283	-CH ₂ -	pyridin-2,6-diyl	bond	N-morpholinyl
284	-CH ₂ -	pyridin-2,6-diyl	bond	N-piperidinyl
285	-CH ₂ -	pyridin-2,6-diyl	bond	3-Me-2-pyridyl
286	-CH ₂ -	pyridin-2,6-diyl	bond	4-Me-2-pyridyl
287	-CH ₂ -	pyridin-2,6-diyl	bond	1-indolyl
288	-CH ₂ -	pyridin-2,6-diyl	bond	2-benzothienyl
289	-CH ₂ -	pyridin-2,6-diyl	bond	2-benzofuranyl
290	-CH ₂ -	pyridin-2,6-diyl	bond	1-benzimidazole
291	-CH ₂ -	pyridin-2,6-diyl	bond	2-naphthyl
292	-CH ₂ -	pyridin-2,4-diyl	bond	phenyl
293	-CH ₂ -	pyridin-2,4-diyl	bond	3,3-diphenylmethyl
294	-CH ₂ -	pyridin-2,4-diyl	bond	2-F-phenyl
295	-CH ₂ -	pyridin-2,4-diyl	bond	3-F-phenyl
296	-CH ₂ -	pyridin-2,4-diyl	bond	4-F-phenyl
297	-CH ₂ -	pyridin-2,4-diyl	bond	2-Cl-phenyl
298	-CH ₂ -	pyridin-2,4-diyl	bond	3-Cl-phenyl
299	-CH ₂ -	pyridin-2,4-diyl	bond	4-Cl-phenyl
300	-CH ₂ -	pyridin-2,4-diyl	bond	2-Me-phenyl
301	-CH ₂ -	pyridin-2,4-diyl	bond	3-Me-phenyl
302	-CH ₂ -	pyridin-2,4-diyl	bond	4-Me-phenyl
303	-CH ₂ -	pyridin-2,4-diyl	bond	2-MeO-phenyl

304	-CH ₂ -	pyridin-2,4-diyl	bond	3-MeO-phenyl
305	-CH ₂ -	pyridin-2,4-diyl	bond	4-MeO-phenyl
306	-CH ₂ -	pyridin-2,4-diyl	bond	2-MeS-phenyl
307	-CH ₂ -	pyridin-2,4-diyl	bond	3-MeS-phenyl
308	-CH ₂ -	pyridin-2,4-diyl	bond	4-MeS-phenyl
309	-CH ₂ -	pyridin-2,4-diyl	bond	2-F ₃ C-phenyl
310	-CH ₂ -	pyridin-2,4-diyl	bond	3-F ₃ C-phenyl
311	-CH ₂ -	pyridin-2,4-diyl	bond	4-F ₃ C-phenyl
312	-CH ₂ -	pyridin-2,4-diyl	bond	2,3-diF-phenyl
313	-CH ₂ -	pyridin-2,4-diyl	bond	2,4-diF-phenyl
314	-CH ₂ -	pyridin-2,4-diyl	bond	2,5-diF-phenyl
315	-CH ₂ -	pyridin-2,4-diyl	bond	2,6-diF-phenyl
316	-CH ₂ -	pyridin-2,4-diyl	bond	3,4-diF-phenyl
317	-CH ₂ -	pyridin-2,4-diyl	bond	3,5-diF-phenyl
318	-CH ₂ -	pyridin-2,4-diyl	bond	2,3-diCl-phenyl
319	-CH ₂ -	pyridin-2,4-diyl	bond	2,4-diCl-phenyl
320	-CH ₂ -	pyridin-2,4-diyl	bond	2,5-diCl-phenyl
321	-CH ₂ -	pyridin-2,4-diyl	bond	2,6-diCl-phenyl
322	-CH ₂ -	pyridin-2,4-diyl	bond	3,4-diCl-phenyl
323	-CH ₂ -	pyridin-2,4-diyl	bond	3,5-diCl-phenyl
324	-CH ₂ -	pyridin-2,4-diyl	bond	2-Cl-3-F-phenyl
325	-CH ₂ -	pyridin-2,4-diyl	bond	2-Cl-4-F-phenyl
326	-CH ₂ -	pyridin-2,4-diyl	bond	2-Cl-5-F-phenyl
327	-CH ₂ -	pyridin-2,4-diyl	bond	3-Cl-4-F-phenyl
328	-CH ₂ -	pyridin-2,4-diyl	bond	3-Cl-5-F-phenyl
329	-CH ₂ -	pyridin-2,4-diyl	bond	4-Cl-2-F-phenyl
330	-CH ₂ -	pyridin-2,4-diyl	bond	4-Cl-3-F-phenyl
331	-CH ₂ -	pyridin-2,4-diyl	bond	2,3-diMeO-phenyl
332	-CH ₂ -	pyridin-2,4-diyl	bond	2,4-diMeO-phenyl
333	-CH ₂ -	pyridin-2,4-diyl	bond	2,5-diMeO-phenyl
334	-CH ₂ -	pyridin-2,4-diyl	bond	2,6-diMeO-phenyl
335	-CH ₂ -	pyridin-2,4-diyl	bond	3,4-diMeO-phenyl
336	-CH ₂ -	pyridin-2,4-diyl	bond	3,5-diMeO-phenyl
337	-CH ₂ -	pyridin-2,4-diyl	bond	cyclopropyl
338	-CH ₂ -	pyridin-2,4-diyl	bond	cyclobutyl
339	-CH ₂ -	pyridin-2,4-diyl	bond	cyclopentyl
340	-CH ₂ -	pyridin-2,4-diyl	bond	cyclohexyl
341	-CH ₂ -	pyridin-2,4-diyl	bond	2-furanyl
342	-CH ₂ -	pyridin-2,4-diyl	bond	2-thienyl
343	-CH ₂ -	pyridin-2,4-diyl	bond	2-imidazolyl
344	-CH ₂ -	pyridin-2,4-diyl	bond	2-pyridyl
345	-CH ₂ -	pyridin-2,4-diyl	bond	3-pyridyl
346	-CH ₂ -	pyridin-2,4-diyl	bond	4-pyridyl
347	-CH ₂ -	pyridin-2,4-diyl	bond	N-morpholinyl
348	-CH ₂ -	pyridin-2,4-diyl	bond	N-piperidinyl
349	-CH ₂ -	pyridin-2,4-diyl	bond	3-Me-2-pyridyl
350	-CH ₂ -	pyridin-2,4-diyl	bond	4-Me-2-pyridyl
351	-CH ₂ -	pyridin-2,4-diyl	bond	1-indolyl

352	-CH ₂ -	pyridin-2,4-diyl	bond	2-benzothienyl
353	-CH ₂ -	pyridin-2,4-diyl	bond	2-benzofuranyl
354	-CH ₂ -	pyridin-2,4-diyl	bond	1-benzimidazole
355	-CH ₂ -	pyridin-2,4-diyl	bond	2-naphthyl
356	-CH ₂ -	pyridin-4,2-diyl	bond	phenyl
357	-CH ₂ -	pyridin-4,2-diyl	bond	3,3-diphenylmethyl
358	-CH ₂ -	pyridin-4,2-diyl	bond	2-F-phenyl
359	-CH ₂ -	pyridin-4,2-diyl	bond	3-F-phenyl
360	-CH ₂ -	pyridin-4,2-diyl	bond	4-F-phenyl
361	-CH ₂ -	pyridin-4,2-diyl	bond	2-Cl-phenyl
362	-CH ₂ -	pyridin-4,2-diyl	bond	3-Cl-phenyl
363	-CH ₂ -	pyridin-4,2-diyl	bond	4-Cl-phenyl
364	-CH ₂ -	pyridin-4,2-diyl	bond	2-Me-phenyl
365	-CH ₂ -	pyridin-4,2-diyl	bond	3-Me-phenyl
366	-CH ₂ -	pyridin-4,2-diyl	bond	4-Me-phenyl
367	-CH ₂ -	pyridin-4,2-diyl	bond	2-MeO-phenyl
368	-CH ₂ -	pyridin-4,2-diyl	bond	3-MeO-phenyl
369	-CH ₂ -	pyridin-4,2-diyl	bond	4-MeO-phenyl
370	-CH ₂ -	pyridin-4,2-diyl	bond	2-MeS-phenyl
371	-CH ₂ -	pyridin-4,2-diyl	bond	3-MeS-phenyl
372	-CH ₂ -	pyridin-4,2-diyl	bond	4-MeS-phenyl
373	-CH ₂ -	pyridin-4,2-diyl	bond	2-F ₃ C-phenyl
374	-CH ₂ -	pyridin-4,2-diyl	bond	3-F ₃ C-phenyl
375	-CH ₂ -	pyridin-4,2-diyl	bond	4-F ₃ C-phenyl
376	-CH ₂ -	pyridin-4,2-diyl	bond	2,3-diF-phenyl
377	-CH ₂ -	pyridin-4,2-diyl	bond	2,4-diF-phenyl
378	-CH ₂ -	pyridin-4,2-diyl	bond	2,5-diF-phenyl
379	-CH ₂ -	pyridin-4,2-diyl	bond	2,6-diF-phenyl
380	-CH ₂ -	pyridin-4,2-diyl	bond	3,4-diF-phenyl
381	-CH ₂ -	pyridin-4,2-diyl	bond	3,5-diF-phenyl
382	-CH ₂ -	pyridin-4,2-diyl	bond	2,3-diCl-phenyl
383	-CH ₂ -	pyridin-4,2-diyl	bond	2,4-diCl-phenyl
384	-CH ₂ -	pyridin-4,2-diyl	bond	2,5-diCl-phenyl
385	-CH ₂ -	pyridin-4,2-diyl	bond	2,6-diCl-phenyl
386	-CH ₂ -	pyridin-4,2-diyl	bond	3,4-diCl-phenyl
387	-CH ₂ -	pyridin-4,2-diyl	bond	3,5-diCl-phenyl
388	-CH ₂ -	pyridin-4,2-diyl	bond	2-Cl-3-F-phenyl
389	-CH ₂ -	pyridin-4,2-diyl	bond	2-Cl-4-F-phenyl
390	-CH ₂ -	pyridin-4,2-diyl	bond	2-Cl-5-F-phenyl
391	-CH ₂ -	pyridin-4,2-diyl	bond	3-Cl-4-F-phenyl
392	-CH ₂ -	pyridin-4,2-diyl	bond	3-Cl-5-F-phenyl
393	-CH ₂ -	pyridin-4,2-diyl	bond	4-Cl-2-F-phenyl
394	-CH ₂ -	pyridin-4,2-diyl	bond	4-Cl-3-F-phenyl
395	-CH ₂ -	pyridin-4,2-diyl	bond	2,3-diMeO-phenyl
396	-CH ₂ -	pyridin-4,2-diyl	bond	2,4-diMeO-phenyl
397	-CH ₂ -	pyridin-4,2-diyl	bond	2,5-diMeO-phenyl
398	-CH ₂ -	pyridin-4,2-diyl	bond	2,6-diMeO-phenyl
399	-CH ₂ -	pyridin-4,2-diyl	bond	3,4-diMeO-phenyl

400	-CH ₂ -	pyridin-4,2-diyl	bond	3,5-diMeO-phenyl
401	-CH ₂ -	pyridin-4,2-diyl	bond	cyclopropyl
402	-CH ₂ -	pyridin-4,2-diyl	bond	cyclobutyl
403	-CH ₂ -	pyridin-4,2-diyl	bond	cyclopentyl
404	-CH ₂ -	pyridin-4,2-diyl	bond	cyclohexyl
405	-CH ₂ -	pyridin-4,2-diyl	bond	2-furanyl
406	-CH ₂ -	pyridin-4,2-diyl	bond	2-thienyl
407	-CH ₂ -	pyridin-4,2-diyl	bond	2-imidazolyl
408	-CH ₂ -	pyridin-4,2-diyl	bond	2-pyridyl
409	-CH ₂ -	pyridin-4,2-diyl	bond	3-pyridyl
410	-CH ₂ -	pyridin-4,2-diyl	bond	4-pyridyl
411	-CH ₂ -	pyridin-4,2-diyl	bond	N-morpholinyl
412	-CH ₂ -	pyridin-4,2-diyl	bond	N-piperidinyl
413	-CH ₂ -	pyridin-4,2-diyl	bond	3-Me-2-pyridyl
414	-CH ₂ -	pyridin-4,2-diyl	bond	4-Me-2-pyridyl
415	-CH ₂ -	pyridin-4,2-diyl	bond	1-indolyl
416	-CH ₂ -	pyridin-4,2-diyl	bond	2-benzothienyl
417	-CH ₂ -	pyridin-4,2-diyl	bond	2-benzofuranyl
418	-CH ₂ -	pyridin-4,2-diyl	bond	1-benzimidazole
419	-CH ₂ -	pyridin-4,2-diyl	bond	2-naphthyl
420	-CH ₂ -	piperidin-1,3-diyl	bond	phenyl
421	-CH ₂ -	piperidin-1,3-diyl	bond	3,3-diphenylmethyl
422	-CH ₂ -	piperidin-1,3-diyl	bond	2-F-phenyl
423	-CH ₂ -	piperidin-1,3-diyl	bond	3-F-phenyl
424	-CH ₂ -	piperidin-1,3-diyl	bond	4-F-phenyl
425	-CH ₂ -	piperidin-1,3-diyl	bond	2-Cl-phenyl
426	-CH ₂ -	piperidin-1,3-diyl	bond	3-Cl-phenyl
427	-CH ₂ -	piperidin-1,3-diyl	bond	4-Cl-phenyl
428	-CH ₂ -	piperidin-1,3-diyl	bond	2-Me-phenyl
429	-CH ₂ -	piperidin-1,3-diyl	bond	3-Me-phenyl
430	-CH ₂ -	piperidin-1,3-diyl	bond	4-Me-phenyl
431	-CH ₂ -	piperidin-1,3-diyl	bond	2-MeO-phenyl
432	-CH ₂ -	piperidin-1,3-diyl	bond	3-MeO-phenyl
433	-CH ₂ -	piperidin-1,3-diyl	bond	4-MeO-phenyl
434	-CH ₂ -	piperidin-1,3-diyl	bond	2-MeS-phenyl
435	-CH ₂ -	piperidin-1,3-diyl	bond	3-MeS-phenyl
436	-CH ₂ -	piperidin-1,3-diyl	bond	4-MeS-phenyl
437	-CH ₂ -	piperidin-1,3-diyl	bond	2-F ₃ C-phenyl
438	-CH ₂ -	piperidin-1,3-diyl	bond	3-F ₃ C-phenyl
439	-CH ₂ -	piperidin-1,3-diyl	bond	4-F ₃ C-phenyl
440	-CH ₂ -	piperidin-1,3-diyl	bond	2,3-diF-phenyl
441	-CH ₂ -	piperidin-1,3-diyl	bond	2,4-diF-phenyl
442	-CH ₂ -	piperidin-1,3-diyl	bond	2,5-diF-phenyl
443	-CH ₂ -	piperidin-1,3-diyl	bond	2,6-diF-phenyl
444	-CH ₂ -	piperidin-1,3-diyl	bond	3,4-diF-phenyl
445	-CH ₂ -	piperidin-1,3-diyl	bond	3,5-diF-phenyl
446	-CH ₂ -	piperidin-1,3-diyl	bond	2,3-diCl-phenyl
447	-CH ₂ -	piperidin-1,3-diyl	bond	2,4-diCl-phenyl

448	-CH ₂ -	piperidin-1,3-diyl	bond	2,5-diCl-phenyl
449	-CH ₂ -	piperidin-1,3-diyl	bond	2,6-diCl-phenyl
450	-CH ₂ -	piperidin-1,3-diyl	bond	3,4-diCl-phenyl
451	-CH ₂ -	piperidin-1,3-diyl	bond	3,5-diCl-phenyl
452	-CH ₂ -	piperidin-1,3-diyl	bond	2-Cl-3-F-phenyl
453	-CH ₂ -	piperidin-1,3-diyl	bond	2-Cl-4-F-phenyl
454	-CH ₂ -	piperidin-1,3-diyl	bond	2-Cl-5-F-phenyl
455	-CH ₂ -	piperidin-1,3-diyl	bond	3-Cl-4-F-phenyl
456	-CH ₂ -	piperidin-1,3-diyl	bond	3-Cl-5-F-phenyl
457	-CH ₂ -	piperidin-1,3-diyl	bond	4-Cl-2-F-phenyl
458	-CH ₂ -	piperidin-1,3-diyl	bond	4-Cl-3-F-phenyl
459	-CH ₂ -	piperidin-1,3-diyl	bond	2,3-diMeO-phenyl
460	-CH ₂ -	piperidin-1,3-diyl	bond	2,4-diMeO-phenyl
461	-CH ₂ -	piperidin-1,3-diyl	bond	2,5-diMeO-phenyl
462	-CH ₂ -	piperidin-1,3-diyl	bond	2,6-diMeO-phenyl
463	-CH ₂ -	piperidin-1,3-diyl	bond	3,4-diMeO-phenyl
464	-CH ₂ -	piperidin-1,3-diyl	bond	3,5-diMeO-phenyl
465	-CH ₂ -	piperidin-1,3-diyl	bond	cyclopropyl
466	-CH ₂ -	piperidin-1,3-diyl	bond	cyclobutyl
467	-CH ₂ -	piperidin-1,3-diyl	bond	cyclopentyl
468	-CH ₂ -	piperidin-1,3-diyl	bond	cyclohexyl
469	-CH ₂ -	piperidin-1,3-diyl	bond	2-furanyl
470	-CH ₂ -	piperidin-1,3-diyl	bond	2-thienyl
471	-CH ₂ -	piperidin-1,3-diyl	bond	2-imidazolyl
472	-CH ₂ -	piperidin-1,3-diyl	bond	2-pyridyl
473	-CH ₂ -	piperidin-1,3-diyl	bond	3-pyridyl
474	-CH ₂ -	piperidin-1,3-diyl	bond	4-pyridyl
475	-CH ₂ -	piperidin-1,3-diyl	bond	N-morpholinyl
476	-CH ₂ -	piperidin-1,3-diyl	bond	N-piperidinyl
477	-CH ₂ -	piperidin-1,3-diyl	bond	3-Me-2-pyridyl
478	-CH ₂ -	piperidin-1,3-diyl	bond	4-Me-2-pyridyl
479	-CH ₂ -	piperidin-1,3-diyl	bond	1-indolyl
480	-CH ₂ -	piperidin-1,3-diyl	bond	2-benzothienyl
481	-CH ₂ -	piperidin-1,3-diyl	bond	2-benzofuranyl
482	-CH ₂ -	piperidin-1,3-diyl	bond	1-benzimidazole
483	-CH ₂ -	piperidin-1,3-diyl	bond	2-naphthyl
484	-CH ₂ -	piperidin-3,1-diyl	bond	phenyl
485	-CH ₂ -	piperidin-3,1-diyl	bond	3,3-diphenylmethyl
486	-CH ₂ -	piperidin-3,1-diyl	bond	2-F-phenyl
487	-CH ₂ -	piperidin-3,1-diyl	bond	3-F-phenyl
488	-CH ₂ -	piperidin-3,1-diyl	bond	4-F-phenyl
489	-CH ₂ -	piperidin-3,1-diyl	bond	2-Cl-phenyl
490	-CH ₂ -	piperidin-3,1-diyl	bond	3-Cl-phenyl
491	-CH ₂ -	piperidin-3,1-diyl	bond	4-Cl-phenyl
492	-CH ₂ -	piperidin-3,1-diyl	bond	2-Me-phenyl
493	-CH ₂ -	piperidin-3,1-diyl	bond	3-Me-phenyl
494	-CH ₂ -	piperidin-3,1-diyl	bond	4-Me-phenyl
495	-CH ₂ -	piperidin-3,1-diyl	bond	2-MeO-phenyl

496	-CH ₂ -	piperidin-3,1-diyl	bond	3-MeO-phenyl
497	-CH ₂ -	piperidin-3,1-diyl	bond	4-MeO-phenyl
498	-CH ₂ -	piperidin-3,1-diyl	bond	2-MeS-phenyl
499	-CH ₂ -	piperidin-3,1-diyl	bond	3-MeS-phenyl
500	-CH ₂ -	piperidin-3,1-diyl	bond	4-MeS-phenyl
501	-CH ₂ -	piperidin-3,1-diyl	bond	2-F ₃ C-phenyl
502	-CH ₂ -	piperidin-3,1-diyl	bond	3-F ₃ C-phenyl
503	-CH ₂ -	piperidin-3,1-diyl	bond	4-F ₃ C-phenyl
504	-CH ₂ -	piperidin-3,1-diyl	bond	2,3-diF-phenyl
505	-CH ₂ -	piperidin-3,1-diyl	bond	2,4-diF-phenyl
506	-CH ₂ -	piperidin-3,1-diyl	bond	2,5-diF-phenyl
507	-CH ₂ -	piperidin-3,1-diyl	bond	2,6-diF-phenyl
508	-CH ₂ -	piperidin-3,1-diyl	bond	3,4-diF-phenyl
509	-CH ₂ -	piperidin-3,1-diyl	bond	3,5-diF-phenyl
510	-CH ₂ -	piperidin-3,1-diyl	bond	2,3-diCl-phenyl
511	-CH ₂ -	piperidin-3,1-diyl	bond	2,4-diCl-phenyl
512	-CH ₂ -	piperidin-3,1-diyl	bond	2,5-diCl-phenyl
513	-CH ₂ -	piperidin-3,1-diyl	bond	2,6-diCl-phenyl
514	-CH ₂ -	piperidin-3,1-diyl	bond	3,4-diCl-phenyl
515	-CH ₂ -	piperidin-3,1-diyl	bond	3,5-diCl-phenyl
516	-CH ₂ -	piperidin-3,1-diyl	bond	2-Cl-3-F-phenyl
517	-CH ₂ -	piperidin-3,1-diyl	bond	2-Cl-4-F-phenyl
518	-CH ₂ -	piperidin-3,1-diyl	bond	2-Cl-5-F-phenyl
519	-CH ₂ -	piperidin-3,1-diyl	bond	3-Cl-4-F-phenyl
520	-CH ₂ -	piperidin-3,1-diyl	bond	3-Cl-5-F-phenyl
521	-CH ₂ -	piperidin-3,1-diyl	bond	4-Cl-2-F-phenyl
522	-CH ₂ -	piperidin-3,1-diyl	bond	4-Cl-3-F-phenyl
523	-CH ₂ -	piperidin-3,1-diyl	bond	2,3-diMeO-phenyl
524	-CH ₂ -	piperidin-3,1-diyl	bond	2,4-diMeO-phenyl
525	-CH ₂ -	piperidin-3,1-diyl	bond	2,5-diMeO-phenyl
526	-CH ₂ -	piperidin-3,1-diyl	bond	2,6-diMeO-phenyl
527	-CH ₂ -	piperidin-3,1-diyl	bond	3,4-diMeO-phenyl
528	-CH ₂ -	piperidin-3,1-diyl	bond	3,5-diMeO-phenyl
529	-CH ₂ -	piperidin-3,1-diyl	bond	cyclopropyl
530	-CH ₂ -	piperidin-3,1-diyl	bond	cyclobutyl
531	-CH ₂ -	piperidin-3,1-diyl	bond	cyclopentyl
532	-CH ₂ -	piperidin-3,1-diyl	bond	cyclohexyl
533	-CH ₂ -	piperidin-3,1-diyl	bond	2-furanyl
534	-CH ₂ -	piperidin-3,1-diyl	bond	2-thienyl
535	-CH ₂ -	piperidin-3,1-diyl	bond	2-imidazolyl
536	-CH ₂ -	piperidin-3,1-diyl	bond	2-pyridyl
537	-CH ₂ -	piperidin-3,1-diyl	bond	3-pyridyl
538	-CH ₂ -	piperidin-3,1-diyl	bond	4-pyridyl
539	-CH ₂ -	piperidin-3,1-diyl	bond	N-morpholinyl
540	-CH ₂ -	piperidin-3,1-diyl	bond	N-piperidinyl
541	-CH ₂ -	piperidin-3,1-diyl	bond	3-Me-2-pyridyl
542	-CH ₂ -	piperidin-3,1-diyl	bond	4-Me-2-pyridyl
543	-CH ₂ -	piperidin-3,1-diyl	bond	1-indolyl

544	-CH ₂ -	piperidin-3,1-diyl	bond	2-benzothienyl
545	-CH ₂ -	piperidin-3,1-diyl	bond	2-benzofuranyl
546	-CH ₂ -	piperidin-3,1-diyl	bond	1-benzimidazole
547	-CH ₂ -	piperidin-3,1-diyl	bond	2-naphthyl
548	-CH ₂ -	cyclohex-1,3-diyl	bond	phenyl
549	-CH ₂ -	cyclohex-1,3-diyl	bond	3,3-diphenylmethyl
550	-CH ₂ -	cyclohex-1,3-diyl	bond	2-F-phenyl
551	-CH ₂ -	cyclohex-1,3-diyl	bond	3-F-phenyl
552	-CH ₂ -	cyclohex-1,3-diyl	bond	4-F-phenyl
553	-CH ₂ -	cyclohex-1,3-diyl	bond	2-Cl-phenyl
554	-CH ₂ -	cyclohex-1,3-diyl	bond	3-Cl-phenyl
555	-CH ₂ -	cyclohex-1,3-diyl	bond	4-Cl-phenyl
556	-CH ₂ -	cyclohex-1,3-diyl	bond	2-Me-phenyl
557	-CH ₂ -	cyclohex-1,3-diyl	bond	3-Me-phenyl
558	-CH ₂ -	cyclohex-1,3-diyl	bond	4-Me-phenyl
559	-CH ₂ -	cyclohex-1,3-diyl	bond	2-MeO-phenyl
560	-CH ₂ -	cyclohex-1,3-diyl	bond	3-MeO-phenyl
561	-CH ₂ -	cyclohex-1,3-diyl	bond	4-MeO-phenyl
562	-CH ₂ -	cyclohex-1,3-diyl	bond	2-MeS-phenyl
563	-CH ₂ -	cyclohex-1,3-diyl	bond	3-MeS-phenyl
564	-CH ₂ -	cyclohex-1,3-diyl	bond	4-MeS-phenyl
565	-CH ₂ -	cyclohex-1,3-diyl	bond	2-F ₃ C-phenyl
566	-CH ₂ -	cyclohex-1,3-diyl	bond	3-F ₃ C-phenyl
567	-CH ₂ -	cyclohex-1,3-diyl	bond	4-F ₃ C-phenyl
568	-CH ₂ -	cyclohex-1,3-diyl	bond	2,3-diF-phenyl
569	-CH ₂ -	cyclohex-1,3-diyl	bond	2,4-diF-phenyl
570	-CH ₂ -	cyclohex-1,3-diyl	bond	2,5-diF-phenyl
571	-CH ₂ -	cyclohex-1,3-diyl	bond	2,6-diF-phenyl
572	-CH ₂ -	cyclohex-1,3-diyl	bond	3,4-diF-phenyl
573	-CH ₂ -	cyclohex-1,3-diyl	bond	3,5-diF-phenyl
574	-CH ₂ -	cyclohex-1,3-diyl	bond	2,3-diCl-phenyl
575	-CH ₂ -	cyclohex-1,3-diyl	bond	2,4-diCl-phenyl
576	-CH ₂ -	cyclohex-1,3-diyl	bond	2,5-diCl-phenyl
577	-CH ₂ -	cyclohex-1,3-diyl	bond	2,6-diCl-phenyl
578	-CH ₂ -	cyclohex-1,3-diyl	bond	3,4-diCl-phenyl
579	-CH ₂ -	cyclohex-1,3-diyl	bond	3,5-diCl-phenyl
580	-CH ₂ -	cyclohex-1,3-diyl	bond	2-Cl-3-F-phenyl
581	-CH ₂ -	cyclohex-1,3-diyl	bond	2-Cl-4-F-phenyl
582	-CH ₂ -	cyclohex-1,3-diyl	bond	2-Cl-5-F-phenyl
583	-CH ₂ -	cyclohex-1,3-diyl	bond	3-Cl-4-F-phenyl
584	-CH ₂ -	cyclohex-1,3-diyl	bond	3-Cl-5-F-phenyl
585	-CH ₂ -	cyclohex-1,3-diyl	bond	4-Cl-2-F-phenyl
586	-CH ₂ -	cyclohex-1,3-diyl	bond	4-Cl-3-F-phenyl
587	-CH ₂ -	cyclohex-1,3-diyl	bond	2,3-diMeO-phenyl
588	-CH ₂ -	cyclohex-1,3-diyl	bond	2,4-diMeO-phenyl
589	-CH ₂ -	cyclohex-1,3-diyl	bond	2,5-diMeO-phenyl
590	-CH ₂ -	cyclohex-1,3-diyl	bond	2,6-diMeO-phenyl
591	-CH ₂ -	cyclohex-1,3-diyl	bond	3,4-diMeO-phenyl

592	-CH ₂ -	cyclohex-1,3-diyl	bond	3,5-diMeO-phenyl
593	-CH ₂ -	cyclohex-1,3-diyl	bond	cyclopropyl
594	-CH ₂ -	cyclohex-1,3-diyl	bond	cyclobutyl
595	-CH ₂ -	cyclohex-1,3-diyl	bond	cyclopentyl
596	-CH ₂ -	cyclohex-1,3-diyl	bond	cyclohexyl
597	-CH ₂ -	cyclohex-1,3-diyl	bond	2-furanyl
598	-CH ₂ -	cyclohex-1,3-diyl	bond	2-thienyl
599	-CH ₂ -	cyclohex-1,3-diyl	bond	2-imidazolyl
600	-CH ₂ -	cyclohex-1,3-diyl	bond	2-pyridyl
601	-CH ₂ -	cyclohex-1,3-diyl	bond	3-pyridyl
602	-CH ₂ -	cyclohex-1,3-diyl	bond	4-pyridyl
603	-CH ₂ -	cyclohex-1,3-diyl	bond	N-morpholinyl
604	-CH ₂ -	cyclohex-1,3-diyl	bond	N-piperidinyl
605	-CH ₂ -	cyclohex-1,3-diyl	bond	3-Me-2-pyridyl
606	-CH ₂ -	cyclohex-1,3-diyl	bond	4-Me-2-pyridyl
607	-CH ₂ -	cyclohex-1,3-diyl	bond	1-indolyl
608	-CH ₂ -	cyclohex-1,3-diyl	bond	2-benzothienyl
609	-CH ₂ -	cyclohex-1,3-diyl	bond	2-benzofuranyl
610	-CH ₂ -	cyclohex-1,3-diyl	bond	1-benzimidazole
611	-CH ₂ -	cyclohex-1,3-diyl	bond	2-naphthyl
612	-CH ₂ -	cyclopropan-1,2-diyl	bond	phenyl
613	-CH ₂ -	cyclopropan-1,2-diyl	bond	3,3-diphenylmethyl
614	-CH ₂ -	cyclopropan-1,2-diyl	bond	2-F-phenyl
615	-CH ₂ -	cyclopropan-1,2-diyl	bond	3-F-phenyl
616	-CH ₂ -	cyclopropan-1,2-diyl	bond	4-F-phenyl
617	-CH ₂ -	cyclopropan-1,2-diyl	bond	2-Cl-phenyl
618	-CH ₂ -	cyclopropan-1,2-diyl	bond	3-Cl-phenyl
619	-CH ₂ -	cyclopropan-1,2-diyl	bond	4-Cl-phenyl
620	-CH ₂ -	cyclopropan-1,2-diyl	bond	2-Me-phenyl
621	-CH ₂ -	cyclopropan-1,2-diyl	bond	3-Me-phenyl
622	-CH ₂ -	cyclopropan-1,2-diyl	bond	4-Me-phenyl
623	-CH ₂ -	cyclopropan-1,2-diyl	bond	2-MeO-phenyl
624	-CH ₂ -	cyclopropan-1,2-diyl	bond	3-MeO-phenyl
625	-CH ₂ -	cyclopropan-1,2-diyl	bond	4-MeO-phenyl
626	-CH ₂ -	cyclopropan-1,2-diyl	bond	2-MeS-phenyl
627	-CH ₂ -	cyclopropan-1,2-diyl	bond	3-MeS-phenyl
628	-CH ₂ -	cyclopropan-1,2-diyl	bond	4-MeS-phenyl
629	-CH ₂ -	cyclopropan-1,2-diyl	bond	2-F ₃ C-phenyl
630	-CH ₂ -	cyclopropan-1,2-diyl	bond	3-F ₃ C-phenyl
631	-CH ₂ -	cyclopropan-1,2-diyl	bond	4-F ₃ C-phenyl
632	-CH ₂ -	cyclopropan-1,2-diyl	bond	2,3-diF-phenyl
633	-CH ₂ -	cyclopropan-1,2-diyl	bond	2,4-diF-phenyl
634	-CH ₂ -	cyclopropan-1,2-diyl	bond	2,5-diF-phenyl
635	-CH ₂ -	cyclopropan-1,2-diyl	bond	2,6-diF-phenyl
636	-CH ₂ -	cyclopropan-1,2-diyl	bond	3,4-diF-phenyl
637	-CH ₂ -	cyclopropan-1,2-diyl	bond	3,5-diF-phenyl
638	-CH ₂ -	cyclopropan-1,2-diyl	bond	2,3-diCl-phenyl
639	-CH ₂ -	cyclopropan-1,2-diyl	bond	2,4-diCl-phenyl

640	-CH ₂ -	cyclopropan-1,2-diyl	bond	2,5-diCl-phenyl
641	-CH ₂ -	cyclopropan-1,2-diyl	bond	2,6-diCl-phenyl
642	-CH ₂ -	cyclopropan-1,2-diyl	bond	3,4-diCl-phenyl
643	-CH ₂ -	cyclopropan-1,2-diyl	bond	3,5-diCl-phenyl
644	-CH ₂ -	cyclopropan-1,2-diyl	bond	2-Cl-3-F-phenyl
645	-CH ₂ -	cyclopropan-1,2-diyl	bond	2-Cl-4-F-phenyl
646	-CH ₂ -	cyclopropan-1,2-diyl	bond	2-Cl-5-F-phenyl
647	-CH ₂ -	cyclopropan-1,2-diyl	bond	3-Cl-4-F-phenyl
648	-CH ₂ -	cyclopropan-1,2-diyl	bond	3-Cl-5-F-phenyl
649	-CH ₂ -	cyclopropan-1,2-diyl	bond	4-Cl-2-F-phenyl
650	-CH ₂ -	cyclopropan-1,2-diyl	bond	4-Cl-3-F-phenyl
651	-CH ₂ -	cyclopropan-1,2-diyl	bond	2,3-diMeO-phenyl
652	-CH ₂ -	cyclopropan-1,2-diyl	bond	2,4-diMeO-phenyl
653	-CH ₂ -	cyclopropan-1,2-diyl	bond	2,5-diMeO-phenyl
654	-CH ₂ -	cyclopropan-1,2-diyl	bond	2,6-diMeO-phenyl
655	-CH ₂ -	cyclopropan-1,2-diyl	bond	3,4-diMeO-phenyl
656	-CH ₂ -	cyclopropan-1,2-diyl	bond	3,5-diMeO-phenyl
657	-CH ₂ -	cyclopropan-1,2-diyl	bond	cyclopropyl
658	-CH ₂ -	cyclopropan-1,2-diyl	bond	cyclobutyl
659	-CH ₂ -	cyclopropan-1,2-diyl	bond	cyclopentyl
660	-CH ₂ -	cyclopropan-1,2-diyl	bond	cyclohexyl
661	-CH ₂ -	cyclopropan-1,2-diyl	bond	2-furanyl
662	-CH ₂ -	cyclopropan-1,2-diyl	bond	2-thienyl
663	-CH ₂ -	cyclopropan-1,2-diyl	bond	2-imidazolyl
664	-CH ₂ -	cyclopropan-1,2-diyl	bond	2-pyridyl
665	-CH ₂ -	cyclopropan-1,2-diyl	bond	3-pyridyl
666	-CH ₂ -	cyclopropan-1,2-diyl	bond	4-pyridyl
667	-CH ₂ -	cyclopropan-1,2-diyl	bond	N-morpholinyl
668	-CH ₂ -	cyclopropan-1,2-diyl	bond	N-piperidinyl
669	-CH ₂ -	cyclopropan-1,2-diyl	bond	3-Me-2-pyridyl
670	-CH ₂ -	cyclopropan-1,2-diyl	bond	4-Me-2-pyridyl
671	-CH ₂ -	cyclopropan-1,2-diyl	bond	1-indolyl
672	-CH ₂ -	cyclopropan-1,2-diyl	bond	2-benzothienyl
673	-CH ₂ -	cyclopropan-1,2-diyl	bond	2-benzofuranyl
674	-CH ₂ -	cyclopropan-1,2-diyl	bond	1-benzimidazole
675	-CH ₂ -	cyclopropan-1,2-diyl	bond	2-naphthyl
676	-CH ₂ -	cyclopentan-1,3-diyl	bond	phenyl
677	-CH ₂ -	cyclopentan-1,3-diyl	bond	3,3-diphenylmethyl
678	-CH ₂ -	cyclopentan-1,3-diyl	bond	2-F-phenyl
679	-CH ₂ -	cyclopentan-1,3-diyl	bond	3-F-phenyl
680	-CH ₂ -	cyclopentan-1,3-diyl	bond	4-F-phenyl
681	-CH ₂ -	cyclopentan-1,3-diyl	bond	2-Cl-phenyl
682	-CH ₂ -	cyclopentan-1,3-diyl	bond	3-Cl-phenyl
683	-CH ₂ -	cyclopentan-1,3-diyl	bond	4-Cl-phenyl
684	-CH ₂ -	cyclopentan-1,3-diyl	bond	2-Me-phenyl
685	-CH ₂ -	cyclopentan-1,3-diyl	bond	3-Me-phenyl
686	-CH ₂ -	cyclopentan-1,3-diyl	bond	4-Me-phenyl
687	-CH ₂ -	cyclopentan-1,3-diyl	bond	2-MeO-phenyl

688	-CH ₂ -	cyclopentan-1,3-diyl	bond	3-MeO-phenyl
689	-CH ₂ -	cyclopentan-1,3-diyl	bond	4-MeO-phenyl
690	-CH ₂ -	cyclopentan-1,3-diyl	bond	2-MeS-phenyl
691	-CH ₂ -	cyclopentan-1,3-diyl	bond	3-MeS-phenyl
692	-CH ₂ -	cyclopentan-1,3-diyl	bond	4-MeS-phenyl
693	-CH ₂ -	cyclopentan-1,3-diyl	bond	2-F ₃ C-phenyl
694	-CH ₂ -	cyclopentan-1,3-diyl	bond	3-F ₃ C-phenyl
695	-CH ₂ -	cyclopentan-1,3-diyl	bond	4-F ₃ C-phenyl
696	-CH ₂ -	cyclopentan-1,3-diyl	bond	2,3-diF-phenyl
697	-CH ₂ -	cyclopentan-1,3-diyl	bond	2,4-diF-phenyl
698	-CH ₂ -	cyclopentan-1,3-diyl	bond	2,5-diF-phenyl
699	-CH ₂ -	cyclopentan-1,3-diyl	bond	2,6-diF-phenyl
700	-CH ₂ -	cyclopentan-1,3-diyl	bond	3,4-diF-phenyl
701	-CH ₂ -	cyclopentan-1,3-diyl	bond	3,5-diF-phenyl
702	-CH ₂ -	cyclopentan-1,3-diyl	bond	2,3-diCl-phenyl
703	-CH ₂ -	cyclopentan-1,3-diyl	bond	2,4-diCl-phenyl
704	-CH ₂ -	cyclopentan-1,3-diyl	bond	2,5-diCl-phenyl
705	-CH ₂ -	cyclopentan-1,3-diyl	bond	2,6-diCl-phenyl
706	-CH ₂ -	cyclopentan-1,3-diyl	bond	3,4-diCl-phenyl
707	-CH ₂ -	cyclopentan-1,3-diyl	bond	3,5-diCl-phenyl
708	-CH ₂ -	cyclopentan-1,3-diyl	bond	2-Cl-3-F-phenyl
709	-CH ₂ -	cyclopentan-1,3-diyl	bond	2-Cl-4-F-phenyl
710	-CH ₂ -	cyclopentan-1,3-diyl	bond	2-Cl-5-F-phenyl
711	-CH ₂ -	cyclopentan-1,3-diyl	bond	3-Cl-4-F-phenyl
712	-CH ₂ -	cyclopentan-1,3-diyl	bond	3-Cl-5-F-phenyl
713	-CH ₂ -	cyclopentan-1,3-diyl	bond	4-Cl-2-F-phenyl
714	-CH ₂ -	cyclopentan-1,3-diyl	bond	4-Cl-3-F-phenyl
715	-CH ₂ -	cyclopentan-1,3-diyl	bond	2,3-diMeO-phenyl
716	-CH ₂ -	cyclopentan-1,3-diyl	bond	2,4-diMeO-phenyl
717	-CH ₂ -	cyclopentan-1,3-diyl	bond	2,5-diMeO-phenyl
718	-CH ₂ -	cyclopentan-1,3-diyl	bond	2,6-diMeO-phenyl
719	-CH ₂ -	cyclopentan-1,3-diyl	bond	3,4-diMeO-phenyl
720	-CH ₂ -	cyclopentan-1,3-diyl	bond	3,5-diMeO-phenyl
721	-CH ₂ -	cyclopentan-1,3-diyl	bond	cyclopropyl
722	-CH ₂ -	cyclopentan-1,3-diyl	bond	cyclobutyl
723	-CH ₂ -	cyclopentan-1,3-diyl	bond	cyclopentyl
724	-CH ₂ -	cyclopentan-1,3-diyl	bond	cyclohexyl
725	-CH ₂ -	cyclopentan-1,3-diyl	bond	2-furanyl
726	-CH ₂ -	cyclopentan-1,3-diyl	bond	2-thienyl
727	-CH ₂ -	cyclopentan-1,3-diyl	bond	2-imidazolyl
728	-CH ₂ -	cyclopentan-1,3-diyl	bond	2-pyridyl
729	-CH ₂ -	cyclopentan-1,3-diyl	bond	3-pyridyl
730	-CH ₂ -	cyclopentan-1,3-diyl	bond	4-pyridyl
731	-CH ₂ -	cyclopentan-1,3-diyl	bond	N-morpholinyl
732	-CH ₂ -	cyclopentan-1,3-diyl	bond	N-piperidinyl
733	-CH ₂ -	cyclopentan-1,3-diyl	bond	3-Me-2-pyridyl
734	-CH ₂ -	cyclopentan-1,3-diyl	bond	4-Me-2-pyridyl
735	-CH ₂ -	cyclopentan-1,3-diyl	bond	1-indolyl

736	-CH ₂ -	cyclopentan-1,3-diyl	bond	2-benzothienyl
737	-CH ₂ -	cyclopentan-1,3-diyl	bond	2-benzofuranyl
738	-CH ₂ -	cyclopentan-1,3-diyl	bond	1-benzimidazole
739	-CH ₂ -	cyclopentan-1,3-diyl	bond	2-naphthyl

740	-CH ₂ -	phen-1,3-diyl	-O-	phenyl
741	-CH ₂ -	phen-1,3-diyl	-O-	3,3-diphenylmethyl
742	-CH ₂ -	phen-1,3-diyl	-O-	2-F-phenyl
743	-CH ₂ -	phen-1,3-diyl	-O-	3-F-phenyl
744	-CH ₂ -	phen-1,3-diyl	-O-	4-F-phenyl
745	-CH ₂ -	phen-1,3-diyl	-O-	2-Cl-phenyl
746	-CH ₂ -	phen-1,3-diyl	-O-	3-Cl-phenyl
747	-CH ₂ -	phen-1,3-diyl	-O-	4-Cl-phenyl
748	-CH ₂ -	phen-1,3-diyl	-O-	2-Me-phenyl
749	-CH ₂ -	phen-1,3-diyl	-O-	3-Me-phenyl
750	-CH ₂ -	phen-1,3-diyl	-O-	4-Me-phenyl
751	-CH ₂ -	phen-1,3-diyl	-O-	2-MeO-phenyl
752	-CH ₂ -	phen-1,3-diyl	-O-	3-MeO-phenyl
753	-CH ₂ -	phen-1,3-diyl	-O-	4-MeO-phenyl
754	-CH ₂ -	phen-1,3-diyl	-O-	2-MeS-phenyl
755	-CH ₂ -	phen-1,3-diyl	-O-	3-MeS-phenyl
756	-CH ₂ -	phen-1,3-diyl	-O-	4-MeS-phenyl
757	-CH ₂ -	phen-1,3-diyl	-O-	2-F ₃ C-phenyl
758	-CH ₂ -	phen-1,3-diyl	-O-	3-F ₃ C-phenyl
759	-CH ₂ -	phen-1,3-diyl	-O-	4-F ₃ C-phenyl
760	-CH ₂ -	phen-1,3-diyl	-O-	2,3-diF-phenyl
761	-CH ₂ -	phen-1,3-diyl	-O-	2,4-diF-phenyl
762	-CH ₂ -	phen-1,3-diyl	-O-	2,5-diF-phenyl
763	-CH ₂ -	phen-1,3-diyl	-O-	2,6-diF-phenyl
764	-CH ₂ -	phen-1,3-diyl	-O-	3,4-diF-phenyl
765	-CH ₂ -	phen-1,3-diyl	-O-	3,5-diF-phenyl
766	-CH ₂ -	phen-1,3-diyl	-O-	2,3-diCl-phenyl
767	-CH ₂ -	phen-1,3-diyl	-O-	2,4-diCl-phenyl
768	-CH ₂ -	phen-1,3-diyl	-O-	2,5-diCl-phenyl
769	-CH ₂ -	phen-1,3-diyl	-O-	2,6-diCl-phenyl
770	-CH ₂ -	phen-1,3-diyl	-O-	3,4-diCl-phenyl
771	-CH ₂ -	phen-1,3-diyl	-O-	3,5-diCl-phenyl
772	-CH ₂ -	phen-1,3-diyl	-O-	2-Cl-3-F-phenyl
773	-CH ₂ -	phen-1,3-diyl	-O-	2-Cl-4-F-phenyl
774	-CH ₂ -	phen-1,3-diyl	-O-	2-Cl-5-F-phenyl
775	-CH ₂ -	phen-1,3-diyl	-O-	3-Cl-4-F-phenyl
776	-CH ₂ -	phen-1,3-diyl	-O-	3-Cl-5-F-phenyl
777	-CH ₂ -	phen-1,3-diyl	-O-	4-Cl-2-F-phenyl
778	-CH ₂ -	phen-1,3-diyl	-O-	4-Cl-3-F-phenyl
779	-CH ₂ -	phen-1,3-diyl	-O-	2,3-diMeO-phenyl
780	-CH ₂ -	phen-1,3-diyl	-O-	2,4-diMeO-phenyl
781	-CH ₂ -	phen-1,3-diyl	-O-	2,5-diMeO-phenyl
782	-CH ₂ -	phen-1,3-diyl	-O-	2,6-diMeO-phenyl
783	-CH ₂ -	phen-1,3-diyl	-O-	3,4-diMeO-phenyl
784	-CH ₂ -	phen-1,3-diyl	-O-	3,5-diMeO-phenyl
785	-CH ₂ -	phen-1,3-diyl	-O-	cyclopropyl

786	-CH ₂ -	phen-1,3-diyl	-O-	cyclobutyl
787	-CH ₂ -	phen-1,3-diyl	-O-	cyclopentyl
788	-CH ₂ -	phen-1,3-diyl	-O-	cyclohexyl
789	-CH ₂ -	phen-1,3-diyl	-O-	2-furanyl
790	-CH ₂ -	phen-1,3-diyl	-O-	2-thienyl
791	-CH ₂ -	phen-1,3-diyl	CH ₂ CH ₂	2-imidazolyl
792	-CH ₂ -	phen-1,3-diyl	-O-	2-pyridyl
793	-CH ₂ -	phen-1,3-diyl	-O-	3-pyridyl
794	-CH ₂ -	phen-1,3-diyl	-O-	4-pyridyl
795	-CH ₂ -	phen-1,3-diyl	CH ₂ CH ₂	N-morpholinyl
796	-CH ₂ -	phen-1,3-diyl	CH ₂ CH ₂	N-piperidinyl
797	-CH ₂ -	phen-1,3-diyl	-O-	3-Me-2-pyridyl
798	-CH ₂ -	phen-1,3-diyl	-O-	4-Me-2-pyridyl
799	-CH ₂ -	phen-1,3-diyl	CH ₂ CH ₂	1-indolyl
800	-CH ₂ -	phen-1,3-diyl	-O-	2-benzothienyl
801	-CH ₂ -	phen-1,3-diyl	-O-	2-benzofuranyl
802	-CH ₂ -	phen-1,3-diyl	CH ₂ CH ₂	1-benzimidazole
803	-CH ₂ -	phen-1,3-diyl	-O-	2-naphthyl
804	-CH ₂ -	pyridin-3,5-diyl	-O-	phenyl
805	-CH ₂ -	pyridin-3,5-diyl	-O-	3,3-diphenylmethyl
806	-CH ₂ -	pyridin-3,5-diyl	-O-	2-F-phenyl
807	-CH ₂ -	pyridin-3,5-diyl	-O-	3-F-phenyl
808	-CH ₂ -	pyridin-3,5-diyl	-O-	4-F-phenyl
809	-CH ₂ -	pyridin-3,5-diyl	-O-	2-Cl-phenyl
810	-CH ₂ -	pyridin-3,5-diyl	-O-	3-Cl-phenyl
811	-CH ₂ -	pyridin-3,5-diyl	-O-	4-Cl-phenyl
812	-CH ₂ -	pyridin-3,5-diyl	-O-	2-Me-phenyl
813	-CH ₂ -	pyridin-3,5-diyl	-O-	3-Me-phenyl
814	-CH ₂ -	pyridin-3,5-diyl	-O-	4-Me-phenyl
815	-CH ₂ -	pyridin-3,5-diyl	-O-	2-MeO-phenyl
816	-CH ₂ -	pyridin-3,5-diyl	-O-	3-MeO-phenyl
817	-CH ₂ -	pyridin-3,5-diyl	-O-	4-MeO-phenyl
818	-CH ₂ -	pyridin-3,5-diyl	-O-	2-MeS-phenyl
819	-CH ₂ -	pyridin-3,5-diyl	-O-	3-MeS-phenyl
820	-CH ₂ -	pyridin-3,5-diyl	-O-	4-MeS-phenyl
821	-CH ₂ -	pyridin-3,5-diyl	-O-	2-F ₃ C-phenyl
822	-CH ₂ -	pyridin-3,5-diyl	-O-	3-F ₃ C-phenyl
823	-CH ₂ -	pyridin-3,5-diyl	-O-	4-F ₃ C-phenyl
824	-CH ₂ -	pyridin-3,5-diyl	-O-	2,3-diF-phenyl
825	-CH ₂ -	pyridin-3,5-diyl	-O-	2,4-diF-phenyl
826	-CH ₂ -	pyridin-3,5-diyl	-O-	2,5-diF-phenyl
827	-CH ₂ -	pyridin-3,5-diyl	-O-	2,6-diF-phenyl
828	-CH ₂ -	pyridin-3,5-diyl	-O-	3,4-diF-phenyl
829	-CH ₂ -	pyridin-3,5-diyl	-O-	3,5-diF-phenyl
830	-CH ₂ -	pyridin-3,5-diyl	-O-	2,3-diCl-phenyl
831	-CH ₂ -	pyridin-3,5-diyl	-O-	2,4-diCl-phenyl
832	-CH ₂ -	pyridin-3,5-diyl	-O-	2,5-diCl-phenyl
833	-CH ₂ -	pyridin-3,5-diyl	-O-	2,6-diCl-phenyl
834	-CH ₂ -	pyridin-3,5-diyl	-O-	3,4-diCl-phenyl
835	-CH ₂ -	pyridin-3,5-diyl	-O-	3,5-diCl-phenyl
836	-CH ₂ -	pyridin-3,5-diyl	-O-	2-Cl-3-F-phenyl
837	-CH ₂ -	pyridin-3,5-diyl	-O-	2-Cl-4-F-phenyl

838	-CH ₂ -	pyridin-3,5-diyl	-O-	2-Cl-5-F-phenyl
839	-CH ₂ -	pyridin-3,5-diyl	-O-	3-Cl-4-F-phenyl
840	-CH ₂ -	pyridin-3,5-diyl	-O-	3-Cl-5-F-phenyl
841	-CH ₂ -	pyridin-3,5-diyl	-O-	4-Cl-2-F-phenyl
842	-CH ₂ -	pyridin-3,5-diyl	-O-	4-Cl-3-F-phenyl
843	-CH ₂ -	pyridin-3,5-diyl	-O-	2,3-diMeO-phenyl
844	-CH ₂ -	pyridin-3,5-diyl	-O-	2,4-diMeO-phenyl
845	-CH ₂ -	pyridin-3,5-diyl	-O-	2,5-diMeO-phenyl
846	-CH ₂ -	pyridin-3,5-diyl	-O-	2,6-diMeO-phenyl
847	-CH ₂ -	pyridin-3,5-diyl	-O-	3,4-diMeO-phenyl
848	-CH ₂ -	pyridin-3,5-diyl	-O-	3,5-diMeO-phenyl
849	-CH ₂ -	pyridin-3,5-diyl	-O-	cyclopropyl
850	-CH ₂ -	pyridin-3,5-diyl	-O-	cyclobutyl
851	-CH ₂ -	pyridin-3,5-diyl	-O-	cyclopentyl
852	-CH ₂ -	pyridin-3,5-diyl	-O-	cyclohexyl
853	-CH ₂ -	pyridin-3,5-diyl	-O-	2-furanyl
854	-CH ₂ -	pyridin-3,5-diyl	-O-	2-thienyl
855	-CH ₂ -	pyridin-3,5-diyl	CH ₂ CH ₂	2-imidazolyl
856	-CH ₂ -	pyridin-3,5-diyl	-O-	2-pyridyl
857	-CH ₂ -	pyridin-3,5-diyl	-O-	3-pyridyl
858	-CH ₂ -	pyridin-3,5-diyl	-O-	4-pyridyl
859	-CH ₂ -	pyridin-3,5-diyl	CH ₂ CH ₂	N-morpholinyl
860	-CH ₂ -	pyridin-3,5-diyl	CH ₂ CH ₂	N-piperidinyl
861	-CH ₂ -	pyridin-3,5-diyl	-O-	3-Me-2-pyridyl
862	-CH ₂ -	pyridin-3,5-diyl	-O-	4-Me-2-pyridyl
863	-CH ₂ -	pyridin-3,5-diyl	CH ₂ CH ₂	1-indolyl
864	-CH ₂ -	pyridin-3,5-diyl	-O-	2-benzothienyl
865	-CH ₂ -	pyridin-3,5-diyl	-O-	2-benzofuranyl
866	-CH ₂ -	pyridin-3,5-diyl	CH ₂ CH ₂	1-benzimidazole
867	-CH ₂ -	pyridin-3,5-diyl	-O-	2-naphthyl
868	-CH ₂ -	pyridin-2,6-diyl	-O-	phenyl
869	-CH ₂ -	pyridin-2,6-diyl	-O-	3,3-diphenylmethyl
870	-CH ₂ -	pyridin-2,6-diyl	-O-	2-F-phenyl
871	-CH ₂ -	pyridin-2,6-diyl	-O-	3-F-phenyl
872	-CH ₂ -	pyridin-2,6-diyl	-O-	4-F-phenyl
873	-CH ₂ -	pyridin-2,6-diyl	-O-	2-Cl-phenyl
874	-CH ₂ -	pyridin-2,6-diyl	-O-	3-Cl-phenyl
875	-CH ₂ -	pyridin-2,6-diyl	-O-	4-Cl-phenyl
876	-CH ₂ -	pyridin-2,6-diyl	-O-	2-Me-phenyl
877	-CH ₂ -	pyridin-2,6-diyl	-O-	3-Me-phenyl
878	-CH ₂ -	pyridin-2,6-diyl	-O-	4-Me-phenyl
879	-CH ₂ -	pyridin-2,6-diyl	-O-	2-MeO-phenyl
880	-CH ₂ -	pyridin-2,6-diyl	-O-	3-MeO-phenyl
881	-CH ₂ -	pyridin-2,6-diyl	-O-	4-MeO-phenyl
882	-CH ₂ -	pyridin-2,6-diyl	-O-	2-MeS-phenyl
883	-CH ₂ -	pyridin-2,6-diyl	-O-	3-MeS-phenyl
884	-CH ₂ -	pyridin-2,6-diyl	-O-	4-MeS-phenyl
885	-CH ₂ -	pyridin-2,6-diyl	-O-	2-F ₃ C-phenyl
886	-CH ₂ -	pyridin-2,6-diyl	-O-	3-F ₃ C-phenyl
887	-CH ₂ -	pyridin-2,6-diyl	-O-	4-F ₃ C-phenyl
888	-CH ₂ -	pyridin-2,6-diyl	-O-	2,3-diF-phenyl
889	-CH ₂ -	pyridin-2,6-diyl	-O-	2,4-diF-phenyl

890	-CH ₂ -	pyridin-2,6-diyl	-O-	2,5-diF-phenyl
891	-CH ₂ -	pyridin-2,6-diyl	-O-	2,6-diF-phenyl
892	-CH ₂ -	pyridin-2,6-diyl	-O-	3,4-diF-phenyl
893	-CH ₂ -	pyridin-2,6-diyl	-O-	3,5-diF-phenyl
894	-CH ₂ -	pyridin-2,6-diyl	-O-	2,3-diCl-phenyl
895	-CH ₂ -	pyridin-2,6-diyl	-O-	2,4-diCl-phenyl
896	-CH ₂ -	pyridin-2,6-diyl	-O-	2,5-diCl-phenyl
897	-CH ₂ -	pyridin-2,6-diyl	-O-	2,6-diCl-phenyl
898	-CH ₂ -	pyridin-2,6-diyl	-O-	3,4-diCl-phenyl
899	-CH ₂ -	pyridin-2,6-diyl	-O-	3,5-diCl-phenyl
900	-CH ₂ -	pyridin-2,6-diyl	-O-	2-Cl-3-F-phenyl
901	-CH ₂ -	pyridin-2,6-diyl	-O-	2-Cl-4-F-phenyl
902	-CH ₂ -	pyridin-2,6-diyl	-O-	2-Cl-5-F-phenyl
903	-CH ₂ -	pyridin-2,6-diyl	-O-	3-Cl-4-F-phenyl
904	-CH ₂ -	pyridin-2,6-diyl	-O-	3-Cl-5-F-phenyl
905	-CH ₂ -	pyridin-2,6-diyl	-O-	4-Cl-2-F-phenyl
906	-CH ₂ -	pyridin-2,6-diyl	-O-	4-Cl-3-F-phenyl
907	-CH ₂ -	pyridin-2,6-diyl	-O-	2,3-diMeO-phenyl
908	-CH ₂ -	pyridin-2,6-diyl	-O-	2,4-diMeO-phenyl
909	-CH ₂ -	pyridin-2,6-diyl	-O-	2,5-diMeO-phenyl
910	-CH ₂ -	pyridin-2,6-diyl	-O-	2,6-diMeO-phenyl
911	-CH ₂ -	pyridin-2,6-diyl	-O-	3,4-diMeO-phenyl
912	-CH ₂ -	pyridin-2,6-diyl	-O-	3,5-diMeO-phenyl
913	-CH ₂ -	pyridin-2,6-diyl	-O-	cyclopropyl
914	-CH ₂ -	pyridin-2,6-diyl	-O-	cyclobutyl
915	-CH ₂ -	pyridin-2,6-diyl	-O-	cyclopentyl
916	-CH ₂ -	pyridin-2,6-diyl	-O-	cyclohexyl
917	-CH ₂ -	pyridin-2,6-diyl	-O-	2-furanyl
918	-CH ₂ -	pyridin-2,6-diyl	-O-	2-thienyl
919	-CH ₂ -	pyridin-2,6-diyl	CH ₂ CH ₂	2-imidazolyl
920	-CH ₂ -	pyridin-2,6-diyl	-O-	2-pyridyl
921	-CH ₂ -	pyridin-2,6-diyl	-O-	3-pyridyl
922	-CH ₂ -	pyridin-2,6-diyl	-O-	4-pyridyl
923	-CH ₂ -	pyridin-2,6-diyl	CH ₂ CH ₂	N-morpholinyl
924	-CH ₂ -	pyridin-2,6-diyl	CH ₂ CH ₂	N-piperidinyl
925	-CH ₂ -	pyridin-2,6-diyl	-O-	3-Me-2-pyridyl
926	-CH ₂ -	pyridin-2,6-diyl	-O-	4-Me-2-pyridyl
927	-CH ₂ -	pyridin-2,6-diyl	CH ₂ CH ₂	1-indolyl
928	-CH ₂ -	pyridin-2,6-diyl	-O-	2-benzothienyl
929	-CH ₂ -	pyridin-2,6-diyl	-O-	2-benzofuranyl
930	-CH ₂ -	pyridin-2,6-diyl	CH ₂ CH ₂	1-benzimidazole
931	-CH ₂ -	pyridin-2,6-diyl	-O-	2-naphthyl
932	-CH ₂ -	pyridin-2,4-diyl	-O-	phenyl
933	-CH ₂ -	pyridin-2,4-diyl	-O-	3,3-diphenylmethyl
934	-CH ₂ -	pyridin-2,4-diyl	-O-	2-F-phenyl
935	-CH ₂ -	pyridin-2,4-diyl	-O-	3-F-phenyl
936	-CH ₂ -	pyridin-2,4-diyl	-O-	4-F-phenyl
937	-CH ₂ -	pyridin-2,4-diyl	-O-	2-Cl-phenyl
938	-CH ₂ -	pyridin-2,4-diyl	-O-	3-Cl-phenyl
939	-CH ₂ -	pyridin-2,4-diyl	-O-	4-Cl-phenyl
940	-CH ₂ -	pyridin-2,4-diyl	-O-	2-Me-phenyl
941	-CH ₂ -	pyridin-2,4-diyl	-O-	3-Me-phenyl

942	-CH ₂ -	pyridin-2,4-diyl	-O-	4-Me-phenyl
943	-CH ₂ -	pyridin-2,4-diyl	-O-	2-MeO-phenyl
944	-CH ₂ -	pyridin-2,4-diyl	-O-	3-MeO-phenyl
945	-CH ₂ -	pyridin-2,4-diyl	-O-	4-MeO-phenyl
946	-CH ₂ -	pyridin-2,4-diyl	-O-	2-MeS-phenyl
947	-CH ₂ -	pyridin-2,4-diyl	-O-	3-MeS-phenyl
948	-CH ₂ -	pyridin-2,4-diyl	-O-	4-MeS-phenyl
949	-CH ₂ -	pyridin-2,4-diyl	-O-	2-F ₃ C-phenyl
950	-CH ₂ -	pyridin-2,4-diyl	-O-	3-F ₃ C-phenyl
951	-CH ₂ -	pyridin-2,4-diyl	-O-	4-F ₃ C-phenyl
952	-CH ₂ -	pyridin-2,4-diyl	-O-	2,3-diF-phenyl
953	-CH ₂ -	pyridin-2,4-diyl	-O-	2,4-diF-phenyl
954	-CH ₂ -	pyridin-2,4-diyl	-O-	2,5-diF-phenyl
955	-CH ₂ -	pyridin-2,4-diyl	-O-	2,6-diF-phenyl
956	-CH ₂ -	pyridin-2,4-diyl	-O-	3,4-diF-phenyl
957	-CH ₂ -	pyridin-2,4-diyl	-O-	3,5-diF-phenyl
958	-CH ₂ -	pyridin-2,4-diyl	-O-	2,3-diCl-phenyl
959	-CH ₂ -	pyridin-2,4-diyl	-O-	2,4-diCl-phenyl
960	-CH ₂ -	pyridin-2,4-diyl	-O-	2,5-diCl-phenyl
961	-CH ₂ -	pyridin-2,4-diyl	-O-	2,6-diCl-phenyl
962	-CH ₂ -	pyridin-2,4-diyl	-O-	3,4-diCl-phenyl
963	-CH ₂ -	pyridin-2,4-diyl	-O-	3,5-diCl-phenyl
964	-CH ₂ -	pyridin-2,4-diyl	-O-	2-Cl-3-F-phenyl
965	-CH ₂ -	pyridin-2,4-diyl	-O-	2-Cl-4-F-phenyl
966	-CH ₂ -	pyridin-2,4-diyl	-O-	2-Cl-5-F-phenyl
967	-CH ₂ -	pyridin-2,4-diyl	-O-	3-Cl-4-F-phenyl
968	-CH ₂ -	pyridin-2,4-diyl	-O-	3-Cl-5-F-phenyl
969	-CH ₂ -	pyridin-2,4-diyl	-O-	4-Cl-2-F-phenyl
970	-CH ₂ -	pyridin-2,4-diyl	-O-	4-Cl-3-F-phenyl
971	-CH ₂ -	pyridin-2,4-diyl	-O-	2,3-diMeO-phenyl
972	-CH ₂ -	pyridin-2,4-diyl	-O-	2,4-diMeO-phenyl
973	-CH ₂ -	pyridin-2,4-diyl	-O-	2,5-diMeO-phenyl
974	-CH ₂ -	pyridin-2,4-diyl	-O-	2,6-diMeO-phenyl
975	-CH ₂ -	pyridin-2,4-diyl	-O-	3,4-diMeO-phenyl
976	-CH ₂ -	pyridin-2,4-diyl	-O-	3,5-diMeO-phenyl
977	-CH ₂ -	pyridin-2,4-diyl	-O-	cyclopropyl
978	-CH ₂ -	pyridin-2,4-diyl	-O-	cyclobutyl
979	-CH ₂ -	pyridin-2,4-diyl	-O-	cyclopentyl
980	-CH ₂ -	pyridin-2,4-diyl	-O-	cyclohexyl
981	-CH ₂ -	pyridin-2,4-diyl	-O-	2-furanyl
982	-CH ₂ -	pyridin-2,4-diyl	-O-	2-thienyl
983	-CH ₂ -	pyridin-2,4-diyl	CH ₂ CH ₂	2-imidazolyl
984	-CH ₂ -	pyridin-2,4-diyl	-O-	2-pyridyl
985	-CH ₂ -	pyridin-2,4-diyl	-O-	3-pyridyl
986	-CH ₂ -	pyridin-2,4-diyl	-O-	4-pyridyl
987	-CH ₂ -	pyridin-2,4-diyl	CH ₂ CH ₂	N-morpholinyl
988	-CH ₂ -	pyridin-2,4-diyl	CH ₂ CH ₂	N-piperidinyl
989	-CH ₂ -	pyridin-2,4-diyl	-O-	3-Me-2-pyridyl
990	-CH ₂ -	pyridin-2,4-diyl	-O-	4-Me-2-pyridyl
991	-CH ₂ -	pyridin-2,4-diyl	CH ₂ CH ₂	1-indolyl
992	-CH ₂ -	pyridin-2,4-diyl	-O-	2-benzothienyl
993	-CH ₂ -	pyridin-2,4-diyl	-O-	2-benzofuranyl

994	-CH ₂ -	pyridin-2,4-diyl	CH ₂ CH ₂	1-benzimidazole
995	-CH ₂ -	pyridin-2,4-diyl	-O-	2-naphthyl
996	-CH ₂ -	pyridin-4,2-diyl	-O-	phenyl
997	-CH ₂ -	pyridin-4,2-diyl	-O-	3,3-diphenylmethyl
998	-CH ₂ -	pyridin-4,2-diyl	-O-	2-F-phenyl
999	-CH ₂ -	pyridin-4,2-diyl	-O-	3-F-phenyl
1000	-CH ₂ -	pyridin-4,2-diyl	-O-	4-F-phenyl
1001	-CH ₂ -	pyridin-4,2-diyl	-O-	2-Cl-phenyl
1002	-CH ₂ -	pyridin-4,2-diyl	-O-	3-Cl-phenyl
1003	-CH ₂ -	pyridin-4,2-diyl	-O-	4-Cl-phenyl
1004	-CH ₂ -	pyridin-4,2-diyl	-O-	2-Me-phenyl
1005	-CH ₂ -	pyridin-4,2-diyl	-O-	3-Me-phenyl
1006	-CH ₂ -	pyridin-4,2-diyl	-O-	4-Me-phenyl
1007	-CH ₂ -	pyridin-4,2-diyl	-O-	2-MeO-phenyl
1008	-CH ₂ -	pyridin-4,2-diyl	-O-	3-MeO-phenyl
1009	-CH ₂ -	pyridin-4,2-diyl	-O-	4-MeO-phenyl
1010	-CH ₂ -	pyridin-4,2-diyl	-O-	2-MeS-phenyl
1011	-CH ₂ -	pyridin-4,2-diyl	-O-	3-MeS-phenyl
1012	-CH ₂ -	pyridin-4,2-diyl	-O-	4-MeS-phenyl
1013	-CH ₂ -	pyridin-4,2-diyl	-O-	2-F ₃ C-phenyl
1014	-CH ₂ -	pyridin-4,2-diyl	-O-	3-F ₃ C-phenyl
1015	-CH ₂ -	pyridin-4,2-diyl	-O-	4-F ₃ C-phenyl
1016	-CH ₂ -	pyridin-4,2-diyl	-O-	2,3-diF-phenyl
1017	-CH ₂ -	pyridin-4,2-diyl	-O-	2,4-diF-phenyl
1018	-CH ₂ -	pyridin-4,2-diyl	-O-	2,5-diF-phenyl
1019	-CH ₂ -	pyridin-4,2-diyl	-O-	2,6-diF-phenyl
1020	-CH ₂ -	pyridin-4,2-diyl	-O-	3,4-diF-phenyl
1021	-CH ₂ -	pyridin-4,2-diyl	-O-	3,5-diF-phenyl
1022	-CH ₂ -	pyridin-4,2-diyl	-O-	2,3-diCl-phenyl
1023	-CH ₂ -	pyridin-4,2-diyl	-O-	2,4-diCl-phenyl
1024	-CH ₂ -	pyridin-4,2-diyl	-O-	2,5-diCl-phenyl
1025	-CH ₂ -	pyridin-4,2-diyl	-O-	2,6-diCl-phenyl
1026	-CH ₂ -	pyridin-4,2-diyl	-O-	3,4-diCl-phenyl
1027	-CH ₂ -	pyridin-4,2-diyl	-O-	3,5-diCl-phenyl
1028	-CH ₂ -	pyridin-4,2-diyl	-O-	2-Cl-3-F-phenyl
1029	-CH ₂ -	pyridin-4,2-diyl	-O-	2-Cl-4-F-phenyl
1030	-CH ₂ -	pyridin-4,2-diyl	-O-	2-Cl-5-F-phenyl
1031	-CH ₂ -	pyridin-4,2-diyl	-O-	3-Cl-4-F-phenyl
1032	-CH ₂ -	pyridin-4,2-diyl	-O-	3-Cl-5-F-phenyl
1033	-CH ₂ -	pyridin-4,2-diyl	-O-	4-Cl-2-F-phenyl
1034	-CH ₂ -	pyridin-4,2-diyl	-O-	4-Cl-3-F-phenyl
1035	-CH ₂ -	pyridin-4,2-diyl	-O-	2,3-diMeO-phenyl
1036	-CH ₂ -	pyridin-4,2-diyl	-O-	2,4-diMeO-phenyl
1037	-CH ₂ -	pyridin-4,2-diyl	-O-	2,5-diMeO-phenyl
1038	-CH ₂ -	pyridin-4,2-diyl	-O-	2,6-diMeO-phenyl
1039	-CH ₂ -	pyridin-4,2-diyl	-O-	3,4-diMeO-phenyl
1040	-CH ₂ -	pyridin-4,2-diyl	-O-	3,5-diMeO-phenyl
1041	-CH ₂ -	pyridin-4,2-diyl	-O-	cyclopropyl
1042	-CH ₂ -	pyridin-4,2-diyl	-O-	cyclobutyl
1043	-CH ₂ -	pyridin-4,2-diyl	-O-	cyclopentyl
1044	-CH ₂ -	pyridin-4,2-diyl	-O-	cyclohexyl
1045	-CH ₂ -	pyridin-4,2-diyl	-O-	2-furanyl

1046	-CH ₂ -	pyridin-4,2-diyl	-O-	2-thienyl
1047	-CH ₂ -	pyridin-4,2-diyl	CH ₂ CH ₂	2-imidazolyl
1048	-CH ₂ -	pyridin-4,2-diyl	-O-	2-pyridyl
1049	-CH ₂ -	pyridin-4,2-diyl	-O-	3-pyridyl
1050	-CH ₂ -	pyridin-4,2-diyl	-O-	4-pyridyl
1051	-CH ₂ -	pyridin-4,2-diyl	CH ₂ CH ₂	N-morpholinyl
1052	-CH ₂ -	pyridin-4,2-diyl	CH ₂ CH ₂	N-piperidinyl
1053	-CH ₂ -	pyridin-4,2-diyl	-O-	3-Me-2-pyridyl
1054	-CH ₂ -	pyridin-4,2-diyl	-O-	4-Me-2-pyridyl
1055	-CH ₂ -	pyridin-4,2-diyl	CH ₂ CH ₂	1-indolyl
1056	-CH ₂ -	pyridin-4,2-diyl	-O-	2-benzothienyl
1057	-CH ₂ -	pyridin-4,2-diyl	-O-	2-benzofuranyl
1058	-CH ₂ -	pyridin-4,2-diyl	CH ₂ CH ₂	1-benzimidazole
1059	-CH ₂ -	pyridin-4,2-diyl	-O-	2-naphthyl
1060	-CH ₂ -	piperidin-1,3-diyl	-O-	phenyl
1061	-CH ₂ -	piperidin-1,3-diyl	-O-	3,3-diphenylmethyl
1062	-CH ₂ -	piperidin-1,3-diyl	-O-	2-F-phenyl
1063	-CH ₂ -	piperidin-1,3-diyl	-O-	3-F-phenyl
1064	-CH ₂ -	piperidin-1,3-diyl	-O-	4-F-phenyl
1065	-CH ₂ -	piperidin-1,3-diyl	-O-	2-Cl-phenyl
1066	-CH ₂ -	piperidin-1,3-diyl	-O-	3-Cl-phenyl
1067	-CH ₂ -	piperidin-1,3-diyl	-O-	4-Cl-phenyl
1068	-CH ₂ -	piperidin-1,3-diyl	-O-	2-Me-phenyl
1069	-CH ₂ -	piperidin-1,3-diyl	-O-	3-Me-phenyl
1070	-CH ₂ -	piperidin-1,3-diyl	-O-	4-Me-phenyl
1071	-CH ₂ -	piperidin-1,3-diyl	-O-	2-MeO-phenyl
1072	-CH ₂ -	piperidin-1,3-diyl	-O-	3-MeO-phenyl
1073	-CH ₂ -	piperidin-1,3-diyl	-O-	4-MeO-phenyl
1074	-CH ₂ -	piperidin-1,3-diyl	-O-	2-MeS-phenyl
1075	-CH ₂ -	piperidin-1,3-diyl	-O-	3-MeS-phenyl
1076	-CH ₂ -	piperidin-1,3-diyl	-O-	4-MeS-phenyl
1077	-CH ₂ -	piperidin-1,3-diyl	-O-	2-F ₃ C-phenyl
1078	-CH ₂ -	piperidin-1,3-diyl	-O-	3-F ₃ C-phenyl
1079	-CH ₂ -	piperidin-1,3-diyl	-O-	4-F ₃ C-phenyl
1080	-CH ₂ -	piperidin-1,3-diyl	-O-	2,3-diF-phenyl
1081	-CH ₂ -	piperidin-1,3-diyl	-O-	2,4-diF-phenyl
1082	-CH ₂ -	piperidin-1,3-diyl	-O-	2,5-diF-phenyl
1083	-CH ₂ -	piperidin-1,3-diyl	-O-	2,6-diF-phenyl
1084	-CH ₂ -	piperidin-1,3-diyl	-O-	3,4-diF-phenyl
1085	-CH ₂ -	piperidin-1,3-diyl	-O-	3,5-diF-phenyl
1086	-CH ₂ -	piperidin-1,3-diyl	-O-	2,3-diCl-phenyl
1087	-CH ₂ -	piperidin-1,3-diyl	-O-	2,4-diCl-phenyl
1088	-CH ₂ -	piperidin-1,3-diyl	-O-	2,5-diCl-phenyl
1089	-CH ₂ -	piperidin-1,3-diyl	-O-	2,6-diCl-phenyl
1090	-CH ₂ -	piperidin-1,3-diyl	-O-	3,4-diCl-phenyl
1091	-CH ₂ -	piperidin-1,3-diyl	-O-	3,5-diCl-phenyl
1092	-CH ₂ -	piperidin-1,3-diyl	-O-	2-Cl-3-F-phenyl
1093	-CH ₂ -	piperidin-1,3-diyl	-O-	2-Cl-4-F-phenyl
1094	-CH ₂ -	piperidin-1,3-diyl	-O-	2-Cl-5-F-phenyl
1095	-CH ₂ -	piperidin-1,3-diyl	-O-	3-Cl-4-F-phenyl
1096	-CH ₂ -	piperidin-1,3-diyl	-O-	3-Cl-5-F-phenyl
1097	-CH ₂ -	piperidin-1,3-diyl	-O-	4-Cl-2-F-phenyl

1098	-CH ₂ -	piperidin-1,3-diyl	-O-	4-Cl-3-F-phenyl
1099	-CH ₂ -	piperidin-1,3-diyl	-O-	2,3-diMeO-phenyl
1100	-CH ₂ -	piperidin-1,3-diyl	-O-	2,4-diMeO-phenyl
1101	-CH ₂ -	piperidin-1,3-diyl	-O-	2,5-diMeO-phenyl
1102	-CH ₂ -	piperidin-1,3-diyl	-O-	2,6-diMeO-phenyl
1103	-CH ₂ -	piperidin-1,3-diyl	-O-	3,4-diMeO-phenyl
1104	-CH ₂ -	piperidin-1,3-diyl	-O-	3,5-diMeO-phenyl
1105	-CH ₂ -	piperidin-1,3-diyl	-O-	cyclopropyl
1106	-CH ₂ -	piperidin-1,3-diyl	-O-	cyclobutyl
1107	-CH ₂ -	piperidin-1,3-diyl	-O-	cyclopentyl
1108	-CH ₂ -	piperidin-1,3-diyl	-O-	cyclohexyl
1109	-CH ₂ -	piperidin-1,3-diyl	-O-	2-furanyl
1110	-CH ₂ -	piperidin-1,3-diyl	-O-	2-thienyl
1111	-CH ₂ -	piperidin-1,3-diyl	CH ₂ CH ₂	2-imidazolyl
1112	-CH ₂ -	piperidin-1,3-diyl	-O-	2-pyridyl
1113	-CH ₂ -	piperidin-1,3-diyl	-O-	3-pyridyl
1114	-CH ₂ -	piperidin-1,3-diyl	-O-	4-pyridyl
1115	-CH ₂ -	piperidin-1,3-diyl	CH ₂ CH ₂	N-morpholinyl
1116	-CH ₂ -	piperidin-1,3-diyl	CH ₂ CH ₂	N-piperidinyl
1117	-CH ₂ -	piperidin-1,3-diyl	-O-	3-Me-2-pyridyl
1118	-CH ₂ -	piperidin-1,3-diyl	-O-	4-Me-2-pyridyl
1119	-CH ₂ -	piperidin-1,3-diyl	CH ₂ CH ₂	1-indolyl
1120	-CH ₂ -	piperidin-1,3-diyl	-O-	2-benzothienyl
1121	-CH ₂ -	piperidin-1,3-diyl	-O-	2-benzofuranyl
1122	-CH ₂ -	piperidin-1,3-diyl	CH ₂ CH ₂	1-benzimidazole
1123	-CH ₂ -	piperidin-1,3-diyl	-O-	2-naphthyl
1124	-CH ₂ -	piperidin-3,1-diyl	-O-	phenyl
1125	-CH ₂ -	piperidin-3,1-diyl	-O-	3,3-diphenylmethyl
1126	-CH ₂ -	piperidin-3,1-diyl	-O-	2-F-phenyl
1127	-CH ₂ -	piperidin-3,1-diyl	-O-	3-F-phenyl
1128	-CH ₂ -	piperidin-3,1-diyl	-O-	4-F-phenyl
1129	-CH ₂ -	piperidin-3,1-diyl	-O-	2-Cl-phenyl
1130	-CH ₂ -	piperidin-3,1-diyl	-O-	3-Cl-phenyl
1131	-CH ₂ -	piperidin-3,1-diyl	-O-	4-Cl-phenyl
1132	-CH ₂ -	piperidin-3,1-diyl	-O-	2-Me-phenyl
1133	-CH ₂ -	piperidin-3,1-diyl	-O-	3-Me-phenyl
1134	-CH ₂ -	piperidin-3,1-diyl	-O-	4-Me-phenyl
1135	-CH ₂ -	piperidin-3,1-diyl	-O-	2-MeO-phenyl
1136	-CH ₂ -	piperidin-3,1-diyl	-O-	3-MeO-phenyl
1137	-CH ₂ -	piperidin-3,1-diyl	-O-	4-MeO-phenyl
1138	-CH ₂ -	piperidin-3,1-diyl	-O-	2-MeS-phenyl
1139	-CH ₂ -	piperidin-3,1-diyl	-O-	3-MeS-phenyl
1140	-CH ₂ -	piperidin-3,1-diyl	-O-	4-MeS-phenyl
1141	-CH ₂ -	piperidin-3,1-diyl	-O-	2-F ₃ C-phenyl
1142	-CH ₂ -	piperidin-3,1-diyl	-O-	3-F ₃ C-phenyl
1143	-CH ₂ -	piperidin-3,1-diyl	-O-	4-F ₃ C-phenyl
1144	-CH ₂ -	piperidin-3,1-diyl	-O-	2,3-diF-phenyl
1145	-CH ₂ -	piperidin-3,1-diyl	-O-	2,4-diF-phenyl
1146	-CH ₂ -	piperidin-3,1-diyl	-O-	2,5-diF-phenyl
1147	-CH ₂ -	piperidin-3,1-diyl	-O-	2,6-diF-phenyl
1148	-CH ₂ -	piperidin-3,1-diyl	-O-	3,4-diF-phenyl
1149	-CH ₂ -	piperidin-3,1-diyl	-O-	3,5-diF-phenyl

1150	-CH ₂ -	piperidin-3,1-diyl	-O-	2,3-diCl-phenyl
1151	-CH ₂ -	piperidin-3,1-diyl	-O-	2,4-diCl-phenyl
1152	-CH ₂ -	piperidin-3,1-diyl	-O-	2,5-diCl-phenyl
1153	-CH ₂ -	piperidin-3,1-diyl	-O-	2,6-diCl-phenyl
1154	-CH ₂ -	piperidin-3,1-diyl	-O-	3,4-diCl-phenyl
1155	-CH ₂ -	piperidin-3,1-diyl	-O-	3,5-diCl-phenyl
1156	-CH ₂ -	piperidin-3,1-diyl	-O-	2-Cl-3-F-phenyl
1157	-CH ₂ -	piperidin-3,1-diyl	-O-	2-Cl-4-F-phenyl
1158	-CH ₂ -	piperidin-3,1-diyl	-O-	2-Cl-5-F-phenyl
1159	-CH ₂ -	piperidin-3,1-diyl	-O-	3-Cl-4-F-phenyl
1160	-CH ₂ -	piperidin-3,1-diyl	-O-	3-Cl-5-F-phenyl
1161	-CH ₂ -	piperidin-3,1-diyl	-O-	4-Cl-2-F-phenyl
1162	-CH ₂ -	piperidin-3,1-diyl	-O-	4-Cl-3-F-phenyl
1163	-CH ₂ -	piperidin-3,1-diyl	-O-	2,3-diMeO-phenyl
1164	-CH ₂ -	piperidin-3,1-diyl	-O-	2,4-diMeO-phenyl
1165	-CH ₂ -	piperidin-3,1-diyl	-O-	2,5-diMeO-phenyl
1166	-CH ₂ -	piperidin-3,1-diyl	-O-	2,6-diMeO-phenyl
1167	-CH ₂ -	piperidin-3,1-diyl	-O-	3,4-diMeO-phenyl
1168	-CH ₂ -	piperidin-3,1-diyl	-O-	3,5-diMeO-phenyl
1169	-CH ₂ -	piperidin-3,1-diyl	-O-	cyclopropyl
1170	-CH ₂ -	piperidin-3,1-diyl	-O-	cyclobutyl
1171	-CH ₂ -	piperidin-3,1-diyl	-O-	cyclopentyl
1172	-CH ₂ -	piperidin-3,1-diyl	-O-	cyclohexyl
1173	-CH ₂ -	piperidin-3,1-diyl	-O-	2-furanyl
1174	-CH ₂ -	piperidin-3,1-diyl	-O-	2-thienyl
1175	-CH ₂ -	piperidin-3,1-diyl	CH ₂ CH ₂	2-imidazolyl
1176	-CH ₂ -	piperidin-3,1-diyl	-O-	2-pyridyl
1177	-CH ₂ -	piperidin-3,1-diyl	-O-	3-pyridyl
1178	-CH ₂ -	piperidin-3,1-diyl	-O-	4-pyridyl
1179	-CH ₂ -	piperidin-3,1-diyl	CH ₂ CH ₂	N-morpholinyl
1180	-CH ₂ -	piperidin-3,1-diyl	CH ₂ CH ₂	N-piperidinyl
1181	-CH ₂ -	piperidin-3,1-diyl	-O-	3-Me-2-pyridyl
1182	-CH ₂ -	piperidin-3,1-diyl	-O-	4-Me-2-pyridyl
1183	-CH ₂ -	piperidin-3,1-diyl	CH ₂ CH ₂	1-indolyl
1184	-CH ₂ -	piperidin-3,1-diyl	-O-	2-benzothienyl
1185	-CH ₂ -	piperidin-3,1-diyl	-O-	2-benzofuranyl
1186	-CH ₂ -	piperidin-3,1-diyl	CH ₂ CH ₂	1-benzimidazole
1187	-CH ₂ -	piperidin-3,1-diyl	-O-	2-naphthyl
1188	-CH ₂ -	cyclohex-1,3-diyl	-O-	phenyl
1189	-CH ₂ -	cyclohex-1,3-diyl	-O-	3,3-diphenylmethyl
1190	-CH ₂ -	cyclohex-1,3-diyl	-O-	2-F-phenyl
1191	-CH ₂ -	cyclohex-1,3-diyl	-O-	3-F-phenyl
1192	-CH ₂ -	cyclohex-1,3-diyl	-O-	4-F-phenyl
1193	-CH ₂ -	cyclohex-1,3-diyl	-O-	2-Cl-phenyl
1194	-CH ₂ -	cyclohex-1,3-diyl	-O-	3-Cl-phenyl
1195	-CH ₂ -	cyclohex-1,3-diyl	-O-	4-Cl-phenyl
1196	-CH ₂ -	cyclohex-1,3-diyl	-O-	2-Me-phenyl
1197	-CH ₂ -	cyclohex-1,3-diyl	-O-	3-Me-phenyl
1198	-CH ₂ -	cyclohex-1,3-diyl	-O-	4-Me-phenyl
1199	-CH ₂ -	cyclohex-1,3-diyl	-O-	2-MeO-phenyl
1200	-CH ₂ -	cyclohex-1,3-diyl	-O-	3-MeO-phenyl
1201	-CH ₂ -	cyclohex-1,3-diyl	-O-	4-MeO-phenyl

1202	-CH ₂ -	cyclohex-1,3-diyl	-O-	2-MeS-phenyl
1203	-CH ₂ -	cyclohex-1,3-diyl	-O-	3-MeS-phenyl
1204	-CH ₂ -	cyclohex-1,3-diyl	-O-	4-MeS-phenyl
1205	-CH ₂ -	cyclohex-1,3-diyl	-O-	2-F ₃ C-phenyl
1206	-CH ₂ -	cyclohex-1,3-diyl	-O-	3-F ₃ C-phenyl
1207	-CH ₂ -	cyclohex-1,3-diyl	-O-	4-F ₃ C-phenyl
1208	-CH ₂ -	cyclohex-1,3-diyl	-O-	2,3-diF-phenyl
1209	-CH ₂ -	cyclohex-1,3-diyl	-O-	2,4-diF-phenyl
1210	-CH ₂ -	cyclohex-1,3-diyl	-O-	2,5-diF-phenyl
1211	-CH ₂ -	cyclohex-1,3-diyl	-O-	2,6-diF-phenyl
1212	-CH ₂ -	cyclohex-1,3-diyl	-O-	3,4-diF-phenyl
1213	-CH ₂ -	cyclohex-1,3-diyl	-O-	3,5-diF-phenyl
1214	-CH ₂ -	cyclohex-1,3-diyl	-O-	2,3-diCl-phenyl
1215	-CH ₂ -	cyclohex-1,3-diyl	-O-	2,4-diCl-phenyl
1216	-CH ₂ -	cyclohex-1,3-diyl	-O-	2,5-diCl-phenyl
1217	-CH ₂ -	cyclohex-1,3-diyl	-O-	2,6-diCl-phenyl
1218	-CH ₂ -	cyclohex-1,3-diyl	-O-	3,4-diCl-phenyl
1219	-CH ₂ -	cyclohex-1,3-diyl	-O-	3,5-diCl-phenyl
1220	-CH ₂ -	cyclohex-1,3-diyl	-O-	2-Cl-3-F-phenyl
1221	-CH ₂ -	cyclohex-1,3-diyl	-O-	2-Cl-4-F-phenyl
1222	-CH ₂ -	cyclohex-1,3-diyl	-O-	2-Cl-5-F-phenyl
1223	-CH ₂ -	cyclohex-1,3-diyl	-O-	3-Cl-4-F-phenyl
1224	-CH ₂ -	cyclohex-1,3-diyl	-O-	3-Cl-5-F-phenyl
1225	-CH ₂ -	cyclohex-1,3-diyl	-O-	4-Cl-2-F-phenyl
1226	-CH ₂ -	cyclohex-1,3-diyl	-O-	4-Cl-3-F-phenyl
1227	-CH ₂ -	cyclohex-1,3-diyl	-O-	2,3-diMeO-phenyl
1228	-CH ₂ -	cyclohex-1,3-diyl	-O-	2,4-diMeO-phenyl
1229	-CH ₂ -	cyclohex-1,3-diyl	-O-	2,5-diMeO-phenyl
1230	-CH ₂ -	cyclohex-1,3-diyl	-O-	2,6-diMeO-phenyl
1231	-CH ₂ -	cyclohex-1,3-diyl	-O-	3,4-diMeO-phenyl
1232	-CH ₂ -	cyclohex-1,3-diyl	-O-	3,5-diMeO-phenyl
1233	-CH ₂ -	cyclohex-1,3-diyl	-O-	cyclopropyl
1234	-CH ₂ -	cyclohex-1,3-diyl	-O-	cyclobutyl
1235	-CH ₂ -	cyclohex-1,3-diyl	-O-	cyclopentyl
1236	-CH ₂ -	cyclohex-1,3-diyl	-O-	cyclohexyl
1237	-CH ₂ -	cyclohex-1,3-diyl	-O-	2-furanyl
1238	-CH ₂ -	cyclohex-1,3-diyl	-O-	2-thienyl
1239	-CH ₂ -	cyclohex-1,3-diyl	CH ₂ CH ₂	2-imidazolyl
1240	-CH ₂ -	cyclohex-1,3-diyl	-O-	2-pyridyl
1241	-CH ₂ -	cyclohex-1,3-diyl	-O-	3-pyridyl
1242	-CH ₂ -	cyclohex-1,3-diyl	-O-	4-pyridyl
1243	-CH ₂ -	cyclohex-1,3-diyl	CH ₂ CH ₂	N-morpholinyl
1244	-CH ₂ -	cyclohex-1,3-diyl	CH ₂ CH ₂	N-piperidinyl
1245	-CH ₂ -	cyclohex-1,3-diyl	-O-	3-Me-2-pyridyl
1246	-CH ₂ -	cyclohex-1,3-diyl	-O-	4-Me-2-pyridyl
1247	-CH ₂ -	cyclohex-1,3-diyl	CH ₂ CH ₂	1-indolyl
1248	-CH ₂ -	cyclohex-1,3-diyl	-O-	2-benzothienyl
1249	-CH ₂ -	cyclohex-1,3-diyl	-O-	2-benzofuranyl
1250	-CH ₂ -	cyclohex-1,3-diyl	CH ₂ CH ₂	1-benzimidazole
1251	-CH ₂ -	cyclohex-1,3-diyl	-O-	2-naphthyl
1252	-CH ₂ -	cyclopropan-1,2-diyl	-O-	phenyl
1253	-CH ₂ -	cyclopropan-1,2-diyl	-O-	3,3-diphenylmethyl

1254	-CH ₂ -	cyclopropan-1,2-diyl	-O-	2-F-phenyl
1255	-CH ₂ -	cyclopropan-1,2-diyl	-O-	3-F-phenyl
1256	-CH ₂ -	cyclopropan-1,2-diyl	-O-	4-F-phenyl
1257	-CH ₂ -	cyclopropan-1,2-diyl	-O-	2-Cl-phenyl
1258	-CH ₂ -	cyclopropan-1,2-diyl	-O-	3-Cl-phenyl
1259	-CH ₂ -	cyclopropan-1,2-diyl	-O-	4-Cl-phenyl
1260	-CH ₂ -	cyclopropan-1,2-diyl	-O-	2-Me-phenyl
1261	-CH ₂ -	cyclopropan-1,2-diyl	-O-	3-Me-phenyl
1262	-CH ₂ -	cyclopropan-1,2-diyl	-O-	4-Me-phenyl
1263	-CH ₂ -	cyclopropan-1,2-diyl	-O-	2-MeO-phenyl
1264	-CH ₂ -	cyclopropan-1,2-diyl	-O-	3-MeO-phenyl
1265	-CH ₂ -	cyclopropan-1,2-diyl	-O-	4-MeO-phenyl
1266	-CH ₂ -	cyclopropan-1,2-diyl	-O-	2-MeS-phenyl
1267	-CH ₂ -	cyclopropan-1,2-diyl	-O-	3-MeS-phenyl
1268	-CH ₂ -	cyclopropan-1,2-diyl	-O-	4-MeS-phenyl
1269	-CH ₂ -	cyclopropan-1,2-diyl	-O-	2-F ₃ C-phenyl
1270	-CH ₂ -	cyclopropan-1,2-diyl	-O-	3-F ₃ C-phenyl
1271	-CH ₂ -	cyclopropan-1,2-diyl	-O-	4-F ₃ C-phenyl
1272	-CH ₂ -	cyclopropan-1,2-diyl	-O-	2,3-diF-phenyl
1273	-CH ₂ -	cyclopropan-1,2-diyl	-O-	2,4-diF-phenyl
1274	-CH ₂ -	cyclopropan-1,2-diyl	-O-	2,5-diF-phenyl
1275	-CH ₂ -	cyclopropan-1,2-diyl	-O-	2,6-diF-phenyl
1276	-CH ₂ -	cyclopropan-1,2-diyl	-O-	3,4-diF-phenyl
1277	-CH ₂ -	cyclopropan-1,2-diyl	-O-	3,5-diF-phenyl
1278	-CH ₂ -	cyclopropan-1,2-diyl	-O-	2,3-diCl-phenyl
1279	-CH ₂ -	cyclopropan-1,2-diyl	-O-	2,4-diCl-phenyl
1280	-CH ₂ -	cyclopropan-1,2-diyl	-O-	2,5-diCl-phenyl
1281	-CH ₂ -	cyclopropan-1,2-diyl	-O-	2,6-diCl-phenyl
1282	-CH ₂ -	cyclopropan-1,2-diyl	-O-	3,4-diCl-phenyl
1283	-CH ₂ -	cyclopropan-1,2-diyl	-O-	3,5-diCl-phenyl
1284	-CH ₂ -	cyclopropan-1,2-diyl	-O-	2-Cl-3-F-phenyl
1285	-CH ₂ -	cyclopropan-1,2-diyl	-O-	2-Cl-4-F-phenyl
1286	-CH ₂ -	cyclopropan-1,2-diyl	-O-	2-Cl-5-F-phenyl
1287	-CH ₂ -	cyclopropan-1,2-diyl	-O-	3-Cl-4-F-phenyl
1288	-CH ₂ -	cyclopropan-1,2-diyl	-O-	3-Cl-5-F-phenyl
1289	-CH ₂ -	cyclopropan-1,2-diyl	-O-	4-Cl-2-F-phenyl
1290	-CH ₂ -	cyclopropan-1,2-diyl	-O-	4-Cl-3-F-phenyl
1291	-CH ₂ -	cyclopropan-1,2-diyl	-O-	2,3-diMeO-phenyl
1292	-CH ₂ -	cyclopropan-1,2-diyl	-O-	2,4-diMeO-phenyl
1293	-CH ₂ -	cyclopropan-1,2-diyl	-O-	2,5-diMeO-phenyl
1294	-CH ₂ -	cyclopropan-1,2-diyl	-O-	2,6-diMeO-phenyl
1295	-CH ₂ -	cyclopropan-1,2-diyl	-O-	3,4-diMeO-phenyl
1296	-CH ₂ -	cyclopropan-1,2-diyl	-O-	3,5-diMeO-phenyl
1297	-CH ₂ -	cyclopropan-1,2-diyl	-O-	cyclopropyl
1298	-CH ₂ -	cyclopropan-1,2-diyl	-O-	cyclobutyl
1299	-CH ₂ -	cyclopropan-1,2-diyl	-O-	cyclopentyl
1300	-CH ₂ -	cyclopropan-1,2-diyl	-O-	cyclohexyl
1301	-CH ₂ -	cyclopropan-1,2-diyl	-O-	2-furanyl
1302	-CH ₂ -	cyclopropan-1,2-diyl	-O-	2-thienyl
1303	-CH ₂ -	cyclopropan-1,2-diyl	CH ₂ CH ₂	2-imidazolyl
1304	-CH ₂ -	cyclopropan-1,2-diyl	-O-	2-pyridyl
1305	-CH ₂ -	cyclopropan-1,2-diyl	-O-	3-pyridyl

1306	-CH ₂ -	cyclopropan-1,2-diyl	-O-	4-pyridyl
1307	-CH ₂ -	cyclopropan-1,2-diyl	CH ₂ CH ₂	N-morpholinyl
1308	-CH ₂ -	cyclopropan-1,2-diyl	CH ₂ CH ₂	N-piperidinyl
1309	-CH ₂ -	cyclopropan-1,2-diyl	-O-	3-Me-2-pyridyl
1310	-CH ₂ -	cyclopropan-1,2-diyl	-O-	4-Me-2-pyridyl
1311	-CH ₂ -	cyclopropan-1,2-diyl	CH ₂ CH ₂	1-indolyl
1312	-CH ₂ -	cyclopropan-1,2-diyl	-O-	2-benzothieryl
1313	-CH ₂ -	cyclopropan-1,2-diyl	-O-	2-benzofuranyl
1314	-CH ₂ -	cyclopropan-1,2-diyl	CH ₂ CH ₂	1-benzimidazole
1315	-CH ₂ -	cyclopropan-1,2-diyl	-O-	2-naphthyl
1316	-CH ₂ -	cyclopentan-1,3-diyl	-O-	phenyl
1317	-CH ₂ -	cyclopentan-1,3-diyl	-O-	3,3-diphenylmethyl
1318	-CH ₂ -	cyclopentan-1,3-diyl	-O-	2-F-phenyl
1319	-CH ₂ -	cyclopentan-1,3-diyl	-O-	3-F-phenyl
1320	-CH ₂ -	cyclopentan-1,3-diyl	-O-	4-F-phenyl
1321	-CH ₂ -	cyclopentan-1,3-diyl	-O-	2-Cl-phenyl
1322	-CH ₂ -	cyclopentan-1,3-diyl	-O-	3-Cl-phenyl
1323	-CH ₂ -	cyclopentan-1,3-diyl	-O-	4-Cl-phenyl
1324	-CH ₂ -	cyclopentan-1,3-diyl	-O-	2-Me-phenyl
1325	-CH ₂ -	cyclopentan-1,3-diyl	-O-	3-Me-phenyl
1326	-CH ₂ -	cyclopentan-1,3-diyl	-O-	4-Me-phenyl
1327	-CH ₂ -	cyclopentan-1,3-diyl	-O-	2-MeO-phenyl
1328	-CH ₂ -	cyclopentan-1,3-diyl	-O-	3-MeO-phenyl
1329	-CH ₂ -	cyclopentan-1,3-diyl	-O-	4-MeO-phenyl
1330	-CH ₂ -	cyclopentan-1,3-diyl	-O-	2-MeS-phenyl
1331	-CH ₂ -	cyclopentan-1,3-diyl	-O-	3-MeS-phenyl
1332	-CH ₂ -	cyclopentan-1,3-diyl	-O-	4-MeS-phenyl
1333	-CH ₂ -	cyclopentan-1,3-diyl	-O-	2-F ₃ C-phenyl
1334	-CH ₂ -	cyclopentan-1,3-diyl	-O-	3-F ₃ C-phenyl
1335	-CH ₂ -	cyclopentan-1,3-diyl	-O-	4-F ₃ C-phenyl
1336	-CH ₂ -	cyclopentan-1,3-diyl	-O-	2,3-diF-phenyl
1337	-CH ₂ -	cyclopentan-1,3-diyl	-O-	2,4-diF-phenyl
1338	-CH ₂ -	cyclopentan-1,3-diyl	-O-	2,5-diF-phenyl
1339	-CH ₂ -	cyclopentan-1,3-diyl	-O-	2,6-diF-phenyl
1340	-CH ₂ -	cyclopentan-1,3-diyl	-O-	3,4-diF-phenyl
1341	-CH ₂ -	cyclopentan-1,3-diyl	-O-	3,5-diF-phenyl
1342	-CH ₂ -	cyclopentan-1,3-diyl	-O-	2,3-diCl-phenyl
1343	-CH ₂ -	cyclopentan-1,3-diyl	-O-	2,4-diCl-phenyl
1344	-CH ₂ -	cyclopentan-1,3-diyl	-O-	2,5-diCl-phenyl
1345	-CH ₂ -	cyclopentan-1,3-diyl	-O-	2,6-diCl-phenyl
1346	-CH ₂ -	cyclopentan-1,3-diyl	-O-	3,4-diCl-phenyl
1347	-CH ₂ -	cyclopentan-1,3-diyl	-O-	3,5-diCl-phenyl
1348	-CH ₂ -	cyclopentan-1,3-diyl	-O-	2-Cl-3-F-phenyl
1349	-CH ₂ -	cyclopentan-1,3-diyl	-O-	2-Cl-4-F-phenyl
1350	-CH ₂ -	cyclopentan-1,3-diyl	-O-	2-Cl-5-F-phenyl
1351	-CH ₂ -	cyclopentan-1,3-diyl	-O-	3-Cl-4-F-phenyl
1352	-CH ₂ -	cyclopentan-1,3-diyl	-O-	3-Cl-5-F-phenyl
1353	-CH ₂ -	cyclopentan-1,3-diyl	-O-	4-Cl-2-F-phenyl
1354	-CH ₂ -	cyclopentan-1,3-diyl	-O-	4-Cl-3-F-phenyl
1355	-CH ₂ -	cyclopentan-1,3-diyl	-O-	2,3-diMeO-phenyl
1356	-CH ₂ -	cyclopentan-1,3-diyl	-O-	2,4-diMeO-phenyl
1357	-CH ₂ -	cyclopentan-1,3-diyl	-O-	2,5-diMeO-phenyl

1358	-CH ₂ -	cyclopentan-1,3-diyl	-O-	2,6-diMeO-phenyl
1359	-CH ₂ -	cyclopentan-1,3-diyl	-O-	3,4-diMeO-phenyl
1360	-CH ₂ -	cyclopentan-1,3-diyl	-O-	3,5-diMeO-phenyl
1361	-CH ₂ -	cyclopentan-1,3-diyl	-O-	cyclopropyl
1362	-CH ₂ -	cyclopentan-1,3-diyl	-O-	cyclobutyl
1363	-CH ₂ -	cyclopentan-1,3-diyl	-O-	cyclopentyl
1364	-CH ₂ -	cyclopentan-1,3-diyl	-O-	cyclohexyl
1365	-CH ₂ -	cyclopentan-1,3-diyl	-O-	2-furanyl
1366	-CH ₂ -	cyclopentan-1,3-diyl	-O-	2-thienyl
1367	-CH ₂ -	cyclopentan-1,3-diyl	CH ₂ CH ₂	2-imidazolyl
1368	-CH ₂ -	cyclopentan-1,3-diyl	-O-	2-pyridyl
1369	-CH ₂ -	cyclopentan-1,3-diyl	-O-	3-pyridyl
1370	-CH ₂ -	cyclopentan-1,3-diyl	-O-	4-pyridyl
1371	-CH ₂ -	cyclopentan-1,3-diyl	CH ₂ CH ₂	N-morpholinyl
1372	-CH ₂ -	cyclopentan-1,3-diyl	CH ₂ CH ₂	N-piperidinyl
1373	-CH ₂ -	cyclopentan-1,3-diyl	-O-	3-Me-2-pyridyl
1374	-CH ₂ -	cyclopentan-1,3-diyl	-O-	4-Me-2-pyridyl
1375	-CH ₂ -	cyclopentan-1,3-diyl	CH ₂ CH ₂	1-indolyl
1376	-CH ₂ -	cyclopentan-1,3-diyl	-O-	2-benzothienyl
1377	-CH ₂ -	cyclopentan-1,3-diyl	-O-	2-benzofuranyl
1378	-CH ₂ -	cyclopentan-1,3-diyl	CH ₂ CH ₂	1-benzimidazole
1379	-CH ₂ -	cyclopentan-1,3-diyl	-O-	2-naphthyl

1380	-CH ₂ -	bond	bond	phenyl
1381	-CH ₂ -	bond	bond	3,3-diphenyl
1382	-CH ₂ -	bond	bond	2-F-phenyl
1383	-CH ₂ -	bond	bond	3-F-phenyl
1384	-CH ₂ -	bond	bond	4-F-phenyl
1385	-CH ₂ -	bond	bond	2-Cl-phenyl
1386	-CH ₂ -	bond	bond	3-Cl-phenyl
1387	-CH ₂ -	bond	bond	4-Cl-phenyl
1388	-CH ₂ -	bond	bond	2-Me-phenyl
1389	-CH ₂ -	bond	bond	3-Me-phenyl
1390	-CH ₂ -	bond	bond	4-Me-phenyl
1391	-CH ₂ -	bond	bond	2-MeO-phenyl
1392	-CH ₂ -	bond	bond	3-MeO-phenyl
1393	-CH ₂ -	bond	bond	4-MeO-phenyl
1394	-CH ₂ -	bond	bond	2-MeS-phenyl
1395	-CH ₂ -	bond	bond	3-MeS-phenyl
1396	-CH ₂ -	bond	bond	4-MeS-phenyl
1397	-CH ₂ -	bond	bond	2-F ₃ C-phenyl
1398	-CH ₂ -	bond	bond	3-F ₃ C-phenyl
1399	-CH ₂ -	bond	bond	4-F ₃ C-phenyl
1400	-CH ₂ -	bond	bond	2,3-diF-phenyl
1401	-CH ₂ -	bond	bond	2,4-diF-phenyl
1402	-CH ₂ -	bond	bond	2,5-diF-phenyl
1403	-CH ₂ -	bond	bond	2,6-diF-phenyl
1404	-CH ₂ -	bond	bond	3,4-diF-phenyl
1405	-CH ₂ -	bond	bond	3,5-diF-phenyl
1406	-CH ₂ -	bond	bond	2,3-diCl-phenyl
1407	-CH ₂ -	bond	bond	2,4-diCl-phenyl

1408	-CH ₂ -	bond	bond	2,5-diCl-phenyl
1409	-CH ₂ -	bond	bond	2,6-diCl-phenyl
1410	-CH ₂ -	bond	bond	3,4-diCl-phenyl
1411	-CH ₂ -	bond	bond	3,5-diCl-phenyl
1412	-CH ₂ -	bond	bond	2-Cl-3-F-phenyl
1413	-CH ₂ -	bond	bond	2-Cl-4-F-phenyl
1414	-CH ₂ -	bond	bond	2-Cl-5-F-phenyl
1415	-CH ₂ -	bond	bond	3-Cl-4-F-phenyl
1416	-CH ₂ -	bond	bond	3-Cl-5-F-phenyl
1417	-CH ₂ -	bond	bond	4-Cl-2-F-phenyl
1418	-CH ₂ -	bond	bond	4-Cl-3-F-phenyl
1419	-CH ₂ -	bond	bond	2,3-diMeO-phenyl
1420	-CH ₂ -	bond	bond	2,4-diMeO-phenyl
1421	-CH ₂ -	bond	bond	2,5-diMeO-phenyl
1422	-CH ₂ -	bond	bond	2,6-diMeO-phenyl
1423	-CH ₂ -	bond	bond	3,4-diMeO-phenyl
1424	-CH ₂ -	bond	bond	3,5-diMeO-phenyl
1425	-CH ₂ -	bond	bond	cyclopropyl
1426	-CH ₂ -	bond	bond	cyclobutyl
1427	-CH ₂ -	bond	bond	cyclopentyl
1428	-CH ₂ -	bond	bond	cyclohexyl
1429	-CH ₂ -	bond	bond	2-furanyl
1430	-CH ₂ -	bond	bond	2-thienyl
1431	-CH ₂ -	bond	bond	2-imidazolyl
1432	-CH ₂ -	bond	bond	2-pyridyl
1433	-CH ₂ -	bond	bond	3-pyridyl
1434	-CH ₂ -	bond	bond	4-pyridyl
1435	-CH ₂ -	bond	bond	N-morpholinyl
1436	-CH ₂ -	bond	bond	N-piperidinyl
1437	-CH ₂ -	bond	bond	3-Me-2-pyridyl
1438	-CH ₂ -	bond	bond	4-Me-2-pyridyl
1439	-CH ₂ -	bond	bond	1-indolyl
1440	-CH ₂ -	bond	bond	2-benzothienyl
1441	-CH ₂ -	bond	bond	2-benzofuranyl
1442	-CH ₂ -	bond	bond	1-benzimidazole
1443	-CH ₂ -	bond	bond	2-naphthyl
1444	-CH ₂ CH ₂ -	bond	bond	phenyl
1445	-CH ₂ CH ₂ -	bond	bond	3,3-diphenyl
1446	-CH ₂ CH ₂ -	bond	bond	2-F-phenyl
1447	-CH ₂ CH ₂ -	bond	bond	3-F-phenyl
1448	-CH ₂ CH ₂ -	bond	bond	4-F-phenyl
1449	-CH ₂ CH ₂ -	bond	bond	2-Cl-phenyl
1450	-CH ₂ CH ₂ -	bond	bond	3-Cl-phenyl
1451	-CH ₂ CH ₂ -	bond	bond	4-Cl-phenyl
1452	-CH ₂ CH ₂ -	bond	bond	2-Me-phenyl
1453	-CH ₂ CH ₂ -	bond	bond	3-Me-phenyl
1454	-CH ₂ CH ₂ -	bond	bond	4-Me-phenyl
1455	-CH ₂ CH ₂ -	bond	bond	2-MeO-phenyl
1456	-CH ₂ CH ₂ -	bond	bond	3-MeO-phenyl
1457	-CH ₂ CH ₂ -	bond	bond	4-MeO-phenyl
1458	-CH ₂ CH ₂ -	bond	bond	2-MeS-phenyl
1459	-CH ₂ CH ₂ -	bond	bond	3-MeS-phenyl

1460	-CH ₂ CH ₂ -	bond	bond	4-MeS-phenyl
1461	-CH ₂ CH ₂ -	bond	bond	2-F ₃ C-phenyl
1462	-CH ₂ CH ₂ -	bond	bond	3-F ₃ C-phenyl
1463	-CH ₂ CH ₂ -	bond	bond	4-F ₃ C-phenyl
1464	-CH ₂ CH ₂ -	bond	bond	2,3-diF-phenyl
1465	-CH ₂ CH ₂ -	bond	bond	2,4-diF-phenyl
1466	-CH ₂ CH ₂ -	bond	bond	2,5-diF-phenyl
1467	-CH ₂ CH ₂ -	bond	bond	2,6-diF-phenyl
1468	-CH ₂ CH ₂ -	bond	bond	3,4-diF-phenyl
1469	-CH ₂ CH ₂ -	bond	bond	3,5-diF-phenyl
1470	-CH ₂ CH ₂ -	bond	bond	2,3-diCl-phenyl
1471	-CH ₂ CH ₂ -	bond	bond	2,4-diCl-phenyl
1472	-CH ₂ CH ₂ -	bond	bond	2,5-diCl-phenyl
1473	-CH ₂ CH ₂ -	bond	bond	2,6-diCl-phenyl
1474	-CH ₂ CH ₂ -	bond	bond	3,4-diCl-phenyl
1475	-CH ₂ CH ₂ -	bond	bond	3,5-diCl-phenyl
1476	-CH ₂ CH ₂ -	bond	bond	2-Cl-3-F-phenyl
1477	-CH ₂ CH ₂ -	bond	bond	2-Cl-4-F-phenyl
1478	-CH ₂ CH ₂ -	bond	bond	2-Cl-5-F-phenyl
1479	-CH ₂ CH ₂ -	bond	bond	3-Cl-4-F-phenyl
1480	-CH ₂ CH ₂ -	bond	bond	3-Cl-5-F-phenyl
1481	-CH ₂ CH ₂ -	bond	bond	4-Cl-2-F-phenyl
1482	-CH ₂ CH ₂ -	bond	bond	4-Cl-3-F-phenyl
1483	-CH ₂ CH ₂ -	bond	bond	2,3-diMeO-phenyl
1484	-CH ₂ CH ₂ -	bond	bond	2,4-diMeO-phenyl
1485	-CH ₂ CH ₂ -	bond	bond	2,5-diMeO-phenyl
1486	-CH ₂ CH ₂ -	bond	bond	2,6-diMeO-phenyl
1487	-CH ₂ CH ₂ -	bond	bond	3,4-diMeO-phenyl
1488	-CH ₂ CH ₂ -	bond	bond	3,5-diMeO-phenyl
1489	-CH ₂ CH ₂ -	bond	bond	cyclopropyl
1490	-CH ₂ CH ₂ -	bond	bond	cyclobutyl
1491	-CH ₂ CH ₂ -	bond	bond	cyclopentyl
1492	-CH ₂ CH ₂ -	bond	bond	cyclohexyl
1493	-CH ₂ CH ₂ -	bond	bond	2-furanyl
1494	-CH ₂ CH ₂ -	bond	bond	2-thienyl
1495	-CH ₂ CH ₂ -	bond	bond	2-imidazolyl
1496	-CH ₂ CH ₂ -	bond	bond	2-pyridyl
1497	-CH ₂ CH ₂ -	bond	bond	3-pyridyl
1498	-CH ₂ CH ₂ -	bond	bond	4-pyridyl
1499	-CH ₂ CH ₂ -	bond	bond	N-morpholinyl
1500	-CH ₂ CH ₂ -	bond	bond	N-piperidinyl
1501	-CH ₂ CH ₂ -	bond	bond	3-Me-2-pyridyl
1502	-CH ₂ CH ₂ -	bond	bond	4-Me-2-pyridyl
1503	-CH ₂ CH ₂ -	bond	bond	1-indolyl
1504	-CH ₂ CH ₂ -	bond	bond	2-benzothienyl
1505	-CH ₂ CH ₂ -	bond	bond	2-benzofuranyl
1506	-CH ₂ CH ₂ -	bond	bond	1-benzimidazole
1507	-CH ₂ CH ₂ -	bond	bond	2-naphthyl
1508	-CH ₂ CH ₂ CH ₂ -	bond	bond	phenyl
1509	-CH ₂ CH ₂ CH ₂ -	bond	bond	3,3-diphenyl
1510	-CH ₂ CH ₂ CH ₂ -	bond	bond	2-F-phenyl
1511	-CH ₂ CH ₂ CH ₂ -	bond	bond	3-F-phenyl

1512	-CH ₂ CH ₂ CH ₂ -	bond	bond	4-F-phenyl
1513	-CH ₂ CH ₂ CH ₂ -	bond	bond	2-Cl-phenyl
1514	-CH ₂ CH ₂ CH ₂ -	bond	bond	3-Cl-phenyl
1515	-CH ₂ CH ₂ CH ₂ -	bond	bond	4-Cl-phenyl
1516	-CH ₂ CH ₂ CH ₂ -	bond	bond	2-Me-phenyl
1517	-CH ₂ CH ₂ CH ₂ -	bond	bond	3-Me-phenyl
1518	-CH ₂ CH ₂ CH ₂ -	bond	bond	4-Me-phenyl
1519	-CH ₂ CH ₂ CH ₂ -	bond	bond	2-MeO-phenyl
1520	-CH ₂ CH ₂ CH ₂ -	bond	bond	3-MeO-phenyl
1521	-CH ₂ CH ₂ CH ₂ -	bond	bond	4-MeO-phenyl
1522	-CH ₂ CH ₂ CH ₂ -	bond	bond	2-MeS-phenyl
1523	-CH ₂ CH ₂ CH ₂ -	bond	bond	3-MeS-phenyl
1524	-CH ₂ CH ₂ CH ₂ -	bond	bond	4-MeS-phenyl
1525	-CH ₂ CH ₂ CH ₂ -	bond	bond	2-F ₃ C-phenyl
1526	-CH ₂ CH ₂ CH ₂ -	bond	bond	3-F ₃ C-phenyl
1527	-CH ₂ CH ₂ CH ₂ -	bond	bond	4-F ₃ C-phenyl
1528	-CH ₂ CH ₂ CH ₂ -	bond	bond	2,3-diF-phenyl
1529	-CH ₂ CH ₂ CH ₂ -	bond	bond	2,4-diF-phenyl
1530	-CH ₂ CH ₂ CH ₂ -	bond	bond	2,5-diF-phenyl
1531	-CH ₂ CH ₂ CH ₂ -	bond	bond	2,6-diF-phenyl
1532	-CH ₂ CH ₂ CH ₂ -	bond	bond	3,4-diF-phenyl
1533	-CH ₂ CH ₂ CH ₂ -	bond	bond	3,5-diF-phenyl
1534	-CH ₂ CH ₂ CH ₂ -	bond	bond	2,3-diCl-phenyl
1535	-CH ₂ CH ₂ CH ₂ -	bond	bond	2,4-diCl-phenyl
1536	-CH ₂ CH ₂ CH ₂ -	bond	bond	2,5-diCl-phenyl
1537	-CH ₂ CH ₂ CH ₂ -	bond	bond	2,6-diCl-phenyl
1538	-CH ₂ CH ₂ CH ₂ -	bond	bond	3,4-diCl-phenyl
1539	-CH ₂ CH ₂ CH ₂ -	bond	bond	3,5-diCl-phenyl
1540	-CH ₂ CH ₂ CH ₂ -	bond	bond	2-Cl-3-F-phenyl
1541	-CH ₂ CH ₂ CH ₂ -	bond	bond	2-Cl-4-F-phenyl
1542	-CH ₂ CH ₂ CH ₂ -	bond	bond	2-Cl-5-F-phenyl
1543	-CH ₂ CH ₂ CH ₂ -	bond	bond	3-Cl-4-F-phenyl
1544	-CH ₂ CH ₂ CH ₂ -	bond	bond	3-Cl-5-F-phenyl
1545	-CH ₂ CH ₂ CH ₂ -	bond	bond	4-Cl-2-F-phenyl
1546	-CH ₂ CH ₂ CH ₂ -	bond	bond	4-Cl-3-F-phenyl
1547	-CH ₂ CH ₂ CH ₂ -	bond	bond	2,3-diMeO-phenyl
1548	-CH ₂ CH ₂ CH ₂ -	bond	bond	2,4-diMeO-phenyl
1549	-CH ₂ CH ₂ CH ₂ -	bond	bond	2,5-diMeO-phenyl
1550	-CH ₂ CH ₂ CH ₂ -	bond	bond	2,6-diMeO-phenyl
1551	-CH ₂ CH ₂ CH ₂ -	bond	bond	3,4-diMeO-phenyl
1552	-CH ₂ CH ₂ CH ₂ -	bond	bond	3,5-diMeO-phenyl
1553	-CH ₂ CH ₂ CH ₂ -	bond	bond	cyclopropyl
1554	-CH ₂ CH ₂ CH ₂ -	bond	bond	cyclobutyl
1555	-CH ₂ CH ₂ CH ₂ -	bond	bond	cyclopentyl
1556	-CH ₂ CH ₂ CH ₂ -	bond	bond	cyclohexyl
1557	-CH ₂ CH ₂ CH ₂ -	bond	bond	2-furanyl
1558	-CH ₂ CH ₂ CH ₂ -	bond	bond	2-thienyl
1559	-CH ₂ CH ₂ CH ₂ -	bond	bond	2-imidazolyl
1560	-CH ₂ CH ₂ CH ₂ -	bond	bond	2-pyridyl
1561	-CH ₂ CH ₂ CH ₂ -	bond	bond	3-pyridyl
1562	-CH ₂ CH ₂ CH ₂ -	bond	bond	4-pyridyl
1563	-CH ₂ CH ₂ CH ₂ -	bond	bond	N-morpholinyl

1564	-CH ₂ CH ₂ CH ₂ -	bond	bond	N-piperidinyl
1565	-CH ₂ CH ₂ CH ₂ -	bond	bond	3-Me-2-pyridyl
1566	-CH ₂ CH ₂ CH ₂ -	bond	bond	4-Me-2-pyridyl
1567	-CH ₂ CH ₂ CH ₂ -	bond	bond	1-indolyl
1568	-CH ₂ CH ₂ CH ₂ -	bond	bond	2-benzothienyl
1569	-CH ₂ CH ₂ CH ₂ -	bond	bond	2-benzofuranyl
1570	-CH ₂ CH ₂ CH ₂ -	bond	bond	1-benzimidazole
1571	-CH ₂ CH ₂ CH ₂ -	bond	bond	2-naphthyl
1572	-CH ₂ CH ₂ -	bond	-O-	phenyl
1573	-CH ₂ CH ₂ -	bond	-O-	3,3-diphenylmethyl
1574	-CH ₂ CH ₂ -	bond	-O-	2-F-phenyl
1575	-CH ₂ CH ₂ -	bond	-O-	3-F-phenyl
1576	-CH ₂ CH ₂ -	bond	-O-	4-F-phenyl
1577	-CH ₂ CH ₂ -	bond	-O-	2-Cl-phenyl
1578	-CH ₂ CH ₂ -	bond	-O-	3-Cl-phenyl
1579	-CH ₂ CH ₂ -	bond	-O-	4-Cl-phenyl
1580	-CH ₂ CH ₂ -	bond	-O-	2-Me-phenyl
1581	-CH ₂ CH ₂ -	bond	-O-	3-Me-phenyl
1582	-CH ₂ CH ₂ -	bond	-O-	4-Me-phenyl
1583	-CH ₂ CH ₂ -	bond	-O-	2-MeO-phenyl
1584	-CH ₂ CH ₂ -	bond	-O-	3-MeO-phenyl
1585	-CH ₂ CH ₂ -	bond	-O-	4-MeO-phenyl
1586	-CH ₂ CH ₂ -	bond	-O-	2-MeS-phenyl
1587	-CH ₂ CH ₂ -	bond	-O-	3-MeS-phenyl
1588	-CH ₂ CH ₂ -	bond	-O-	4-MeS-phenyl
1589	-CH ₂ CH ₂ -	bond	-O-	2-F ₃ C-phenyl
1590	-CH ₂ CH ₂ -	bond	-O-	3-F ₃ C-phenyl
1591	-CH ₂ CH ₂ -	bond	-O-	4-F ₃ C-phenyl
1592	-CH ₂ CH ₂ -	bond	-O-	2,3-diF-phenyl
1593	-CH ₂ CH ₂ -	bond	-O-	2,4-diF-phenyl
1594	-CH ₂ CH ₂ -	bond	-O-	2,5-diF-phenyl
1595	-CH ₂ CH ₂ -	bond	-O-	2,6-diF-phenyl
1596	-CH ₂ CH ₂ -	bond	-O-	3,4-diF-phenyl
1597	-CH ₂ CH ₂ -	bond	-O-	3,5-diF-phenyl
1598	-CH ₂ CH ₂ -	bond	-O-	2,3-diCl-phenyl
1599	-CH ₂ CH ₂ -	bond	-O-	2,4-diCl-phenyl
1600	-CH ₂ CH ₂ -	bond	-O-	2,5-diCl-phenyl
1601	-CH ₂ CH ₂ -	bond	-O-	2,6-diCl-phenyl
1602	-CH ₂ CH ₂ -	bond	-O-	3,4-diCl-phenyl
1603	-CH ₂ CH ₂ -	bond	-O-	3,5-diCl-phenyl
1604	-CH ₂ CH ₂ -	bond	-O-	2-Cl-3-F-phenyl
1605	-CH ₂ CH ₂ -	bond	-O-	2-Cl-4-F-phenyl
1606	-CH ₂ CH ₂ -	bond	-O-	2-Cl-5-F-phenyl
1607	-CH ₂ CH ₂ -	bond	-O-	3-Cl-4-F-phenyl
1608	-CH ₂ CH ₂ -	bond	-O-	3-Cl-5-F-phenyl
1609	-CH ₂ CH ₂ -	bond	-O-	4-Cl-2-F-phenyl
1610	-CH ₂ CH ₂ -	bond	-O-	4-Cl-3-F-phenyl
1611	-CH ₂ CH ₂ -	bond	-O-	2,3-diMeO-phenyl
1612	-CH ₂ CH ₂ -	bond	-O-	2,4-diMeO-phenyl
1613	-CH ₂ CH ₂ -	bond	-O-	2,5-diMeO-phenyl
1614	-CH ₂ CH ₂ -	bond	-O-	2,6-diMeO-phenyl
1615	-CH ₂ CH ₂ -	bond	-O-	3,4-diMeO-phenyl

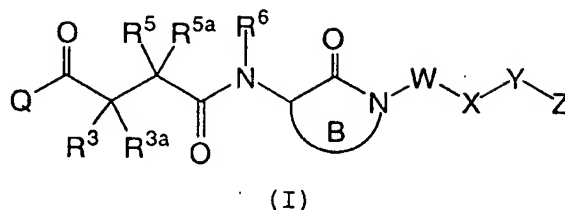
1616	-CH ₂ CH ₂ -	bond	-O-	3,5-diMeO-phenyl
1617	-CH ₂ CH ₂ -	bond	-O-	cyclopropyl
1618	-CH ₂ CH ₂ -	bond	-O-	cyclobutyl
1619	-CH ₂ CH ₂ -	bond	-O-	cyclopentyl
1620	-CH ₂ CH ₂ -	bond	-O-	cyclohexyl
1621	-CH ₂ CH ₂ -	bond	-O-	2-furanyl
1622	-CH ₂ CH ₂ -	bond	-O-	2-thienyl
1623	-CH ₂ CH ₂ -	bond	-O-	2-pyridyl
1624	-CH ₂ CH ₂ -	bond	-O-	3-pyridyl
1625	-CH ₂ CH ₂ -	bond	-O-	4-pyridyl
1626	-CH ₂ CH ₂ -	bond	-O-	3-Me-2-pyridyl
1627	-CH ₂ CH ₂ -	bond	-O-	4-Me-2-pyridyl
1628	-CH ₂ CH ₂ -	bond	-O-	2-benzothienyl
1629	-CH ₂ CH ₂ -	bond	-O-	2-benzofuranyl
1630	-CH ₂ CH ₂ -	bond	-O-	2-naphthyl
1631	-CH ₂ CH ₂ CH ₂ -	bond	-O-	phenyl
1632	-CH ₂ CH ₂ CH ₂ -	bond	-O-	3,3-diphenylmethyl
1633	-CH ₂ CH ₂ CH ₂ -	bond	-O-	2-F-phenyl
1634	-CH ₂ CH ₂ CH ₂ -	bond	-O-	3-F-phenyl
1635	-CH ₂ CH ₂ CH ₂ -	bond	-O-	4-F-phenyl
1636	-CH ₂ CH ₂ CH ₂ -	bond	-O-	2-Cl-phenyl
1637	-CH ₂ CH ₂ CH ₂ -	bond	-O-	3-Cl-phenyl
1638	-CH ₂ CH ₂ CH ₂ -	bond	-O-	4-Cl-phenyl
1639	-CH ₂ CH ₂ CH ₂ -	bond	-O-	2-Me-phenyl
1640	-CH ₂ CH ₂ CH ₂ -	bond	-O-	3-Me-phenyl
1641	-CH ₂ CH ₂ CH ₂ -	bond	-O-	4-Me-phenyl
1642	-CH ₂ CH ₂ CH ₂ -	bond	-O-	2-MeO-phenyl
1643	-CH ₂ CH ₂ CH ₂ -	bond	-O-	3-MeO-phenyl
1644	-CH ₂ CH ₂ CH ₂ -	bond	-O-	4-MeO-phenyl
1645	-CH ₂ CH ₂ CH ₂ -	bond	-O-	2-MeS-phenyl
1646	-CH ₂ CH ₂ CH ₂ -	bond	-O-	3-MeS-phenyl
1647	-CH ₂ CH ₂ CH ₂ -	bond	-O-	4-MeS-phenyl
1648	-CH ₂ CH ₂ CH ₂ -	bond	-O-	2-F ₃ C-phenyl
1649	-CH ₂ CH ₂ CH ₂ -	bond	-O-	3-F ₃ C-phenyl
1650	-CH ₂ CH ₂ CH ₂ -	bond	-O-	4-F ₃ C-phenyl
1651	-CH ₂ CH ₂ CH ₂ -	bond	-O-	2,3-diF-phenyl
1652	-CH ₂ CH ₂ CH ₂ -	bond	-O-	2,4-diF-phenyl
1653	-CH ₂ CH ₂ CH ₂ -	bond	-O-	2,5-diF-phenyl
1654	-CH ₂ CH ₂ CH ₂ -	bond	-O-	2,6-diF-phenyl
1655	-CH ₂ CH ₂ CH ₂ -	bond	-O-	3,4-diF-phenyl
1656	-CH ₂ CH ₂ CH ₂ -	bond	-O-	3,5-diF-phenyl
1657	-CH ₂ CH ₂ CH ₂ -	bond	-O-	2,3-diCl-phenyl
1658	-CH ₂ CH ₂ CH ₂ -	bond	-O-	2,4-diCl-phenyl
1659	-CH ₂ CH ₂ CH ₂ -	bond	-O-	2,5-diCl-phenyl
1660	-CH ₂ CH ₂ CH ₂ -	bond	-O-	2,6-diCl-phenyl
1661	-CH ₂ CH ₂ CH ₂ -	bond	-O-	3,4-diCl-phenyl
1662	-CH ₂ CH ₂ CH ₂ -	bond	-O-	3,5-diCl-phenyl
1663	-CH ₂ CH ₂ CH ₂ -	bond	-O-	2-Cl-3-F-phenyl
1664	-CH ₂ CH ₂ CH ₂ -	bond	-O-	2-Cl-4-F-phenyl
1665	-CH ₂ CH ₂ CH ₂ -	bond	-O-	2-Cl-5-F-phenyl
1666	-CH ₂ CH ₂ CH ₂ -	bond	-O-	3-Cl-4-F-phenyl
1667	-CH ₂ CH ₂ CH ₂ -	bond	-O-	3-Cl-5-F-phenyl

1668	-CH ₂ CH ₂ CH ₂ -	bond	-O-	4-Cl-2-F-phenyl
1669	-CH ₂ CH ₂ CH ₂ -	bond	-O-	4-Cl-3-F-phenyl
1670	-CH ₂ CH ₂ CH ₂ -	bond	-O-	2,3-diMeO-phenyl
1671	-CH ₂ CH ₂ CH ₂ -	bond	-O-	2,4-diMeO-phenyl
1672	-CH ₂ CH ₂ CH ₂ -	bond	-O-	2,5-diMeO-phenyl
1673	-CH ₂ CH ₂ CH ₂ -	bond	-O-	2,6-diMeO-phenyl
1674	-CH ₂ CH ₂ CH ₂ -	bond	-O-	3,4-diMeO-phenyl
1675	-CH ₂ CH ₂ CH ₂ -	bond	-O-	3,5-diMeO-phenyl
1676	-CH ₂ CH ₂ CH ₂ -	bond	-O-	cyclopropyl
1677	-CH ₂ CH ₂ CH ₂ -	bond	-O-	cyclobutyl
1678	-CH ₂ CH ₂ CH ₂ -	bond	-O-	cyclopentyl
1679	-CH ₂ CH ₂ CH ₂ -	bond	-O-	cyclohexyl
1680	-CH ₂ CH ₂ CH ₂ -	bond	-O-	2-furanyl
1681	-CH ₂ CH ₂ CH ₂ -	bond	-O-	2-thienyl
1682	-CH ₂ CH ₂ CH ₂ -	bond	-O-	2-pyridyl
1683	-CH ₂ CH ₂ CH ₂ -	bond	-O-	3-pyridyl
1684	-CH ₂ CH ₂ CH ₂ -	bond	-O-	4-pyridyl
1685	-CH ₂ CH ₂ CH ₂ -	bond	-O-	3-Me-2-pyridyl
1686	-CH ₂ CH ₂ CH ₂ -	bond	-O-	4-Me-2-pyridyl
1687	-CH ₂ CH ₂ CH ₂ -	bond	-O-	2-benzothienyl
1688	-CH ₂ CH ₂ CH ₂ -	bond	-O-	2-benzofuranyl
1689	-CH ₂ CH ₂ CH ₂ -	bond	-O-	2-naphthyl

CLAIMS

What is claimed is:

- 5 1. A compound of Formula (I):



- 10 or a pharmaceutically acceptable salt or prodrug thereof,
wherein:

Q is -OR¹ or -NR¹R²;

- 15 R¹, at each occurrence, is independently selected from:

H;

C₁-C₆ alkyl substituted with 0-3 R^{1a};

C₂-C₆ alkenyl substituted with 0-3 R^{1a};

C₃-C₁₀ carbocycle substituted with 0-3 R^{1b};

- 20 C₆-C₁₀ aryl substituted with 0-3 R^{1b}; and

5 to 10 membered heterocycle substituted with 0-3 R^{1b};

R^{1a}, at each occurrence, is independently selected from H,

C₁-C₆ alkyl, OR¹⁴, Cl, F, Br, I, =O, CN, NO₂, NR¹⁵R¹⁶,

- 25 CF₃;

C₃-C₁₀ carbocycle substituted with 0-3 R^{1b};

C₆-C₁₀ aryl substituted with 0-3 R^{1b}; and

5 to 6 membered heterocycle substituted with 0-3 R^{1b};

- 30 R^{1b}, at each occurrence, is independently selected from H,

OH, Cl, F, Br, I, CN, NO₂, NR¹⁵R¹⁶, CF₃, C₁-C₆ alkyl,

C₁-C₄ alkoxy, C₁-C₄ haloalkyl, and C₁-C₄ haloalkoxy;

R^2 is independently selected from H, NH_2 , OH, C_1 - C_6 alkyl, C_1 - C_6 alkoxy, phenoxy, benzyloxy, C_3 - C_{10} carbocycle, C_6 - C_{10} aryl and 5 to 10 membered heterocycle;

5 R^3 is $-(CR^7R^{7a})_n-R^4$,
 $-(CR^7R^{7a})_n-S-(CR^7R^{7a})_m-R^4$,
 $-(CR^7R^{7a})_n-O-(CR^7R^{7a})_m-R^4$,
 $-(CR^7R^{7a})_n-N(R^{7b})-(CR^7R^{7a})_m-R^4$,
 $-(CR^7R^{7a})_n-S(=O)-(CR^7R^{7a})_m-R^4$,
10 $-(CR^7R^{7a})_n-S(=O)_2-(CR^7R^{7a})_m-R^4$,
 $-(CR^7R^{7a})_n-C(=O)-(CR^7R^{7a})_m-R^4$,
 $-(CR^7R^{7a})_n-N(R^{7b})C(=O)-(CR^7R^{7a})_m-R^4$,
 $-(CR^7R^{7a})_n-C(=O)N(R^{7b})-(CR^7R^{7a})_m-R^4$,
 $-(CR^7R^{7a})_n-N(R^{7b})S(=O)_2-(CR^7R^{7a})_m-R^4$, or
15 $-(CR^7R^{7a})_n-S(=O)_2N(R^{7b})-(CR^7R^{7a})_m-R^4$;

n is 0, 1, 2, or 3;

m is 0, 1, 2, or 3;

20

R^{3a} is H, OH, C_1 - C_4 alkyl, C_1 - C_4 alkoxy, or C_2 - C_4 alkenyloxy;

R^4 is H, OH, OR^{14a} ,

C_1 - C_6 alkyl substituted with 0-3 R^{4a} ,
25 C_2 - C_6 alkenyl substituted with 0-3 R^{4a} ,
 C_2 - C_6 alkynyl substituted with 0-3 R^{4a} ,
 C_3 - C_{10} carbocycle substituted with 0-3 R^{4b} ,
 C_6 - C_{10} aryl substituted with 0-3 R^{4b} , or
5 to 10 membered heterocycle substituted with 0-3 R^{4b} ;

30

R^{4a} , at each occurrence, is independently selected from is H,
F, Cl, Br, I, CF_3 ,

C_3 - C_{10} carbocycle substituted with 0-3 R^{4b} ,
 C_6 - C_{10} aryl substituted with 0-3 R^{4b} , or
35 5 to 10 membered heterocycle substituted with 0-3 R^{4b} ;

R^{4b} , at each occurrence, is independently selected from H,
OH, Cl, F, Br, I, CN, NO_2 , $NR^{15}R^{16}$, CF_3 , acetyl, SCH_3 ,

S(=O)CH₃, S(=O)₂CH₃, C₁-C₆ alkyl, C₁-C₄ alkoxy, C₁-C₄ haloalkyl, C₁-C₄ haloalkoxy, and C₁-C₄ halothioalkoxy;

R⁵ is H, OR¹⁴;

- 5 C₁-C₆ alkyl substituted with 0-3 R^{5b};
C₁-C₆ alkoxy substituted with 0-3 R^{5b};
C₂-C₆ alkenyl substituted with 0-3 R^{5b};
C₂-C₆ alkynyl substituted with 0-3 R^{5b};
C₃-C₁₀ carbocycle substituted with 0-3 R^{5c};
10 C₆-C₁₀ aryl substituted with 0-3 R^{5c}; or
5 to 10 membered heterocycle substituted with 0-3 R^{5c};

R^{5a} is H, OH, C₁-C₄ alkyl, C₁-C₄ alkoxy, C₂-C₄ alkenyl, or C₂-C₄ alkenyloxy;

15

R^{5b}, at each occurrence, is independently selected from:

- H, C₁-C₆ alkyl, CF₃, OR¹⁴, Cl, F, Br, I, =O, CN, NO₂,
NR¹⁵R¹⁶;
C₃-C₁₀ carbocycle substituted with 0-3 R^{5c};
20 C₆-C₁₀ aryl substituted with 0-3 R^{5c}; or
5 to 10 membered heterocycle substituted with 0-3 R^{5c};

- R^{5c}, at each occurrence, is independently selected from H,
OH, Cl, F, Br, I, CN, NO₂, NR¹⁵R¹⁶, CF₃, acetyl, SCH₃,
25 S(=O)CH₃, S(=O)₂CH₃, C₁-C₆ alkyl, C₁-C₄ alkoxy, C₁-C₄
haloalkyl, C₁-C₄ haloalkoxy, and C₁-C₄ halothioalkoxy;

R⁶ is H;

- C₁-C₆ alkyl substituted with 0-3 R^{6a};
30 C₃-C₁₀ carbocycle substituted with 0-3 R^{6b}; or
C₆-C₁₀ aryl substituted with 0-3 R^{6b};

- R^{6a}, at each occurrence, is independently selected from H,
C₁-C₆ alkyl, OR¹⁴, Cl, F, Br, I, =O, CN, NO₂, NR¹⁵R¹⁶,
35 phenyl or CF₃;

R^{6b}, at each occurrence, is independently selected from H, OH, Cl, F, Br, I, CN, NO₂, NR¹⁵R¹⁶, CF₃, C₁-C₆ alkyl, C₁-C₄ alkoxy, C₁-C₄ haloalkyl, and C₁-C₄ haloalkoxy;

5 R⁷, at each occurrence, is independently selected from H, OH, Cl, F, Br, I, CN, NO₂, CF₃, and C₁-C₄ alkyl;

R^{7a}, at each occurrence, is independently selected from H, OH, Cl, F, Br, I, CN, NO₂, CF₃, aryl and C₁-C₄ alkyl;

10

R^{7b} is independently selected from H and C₁-C₄ alkyl;

W is -(CR⁸R^{8a})_p-;

15 p is 0, 1, 2, 3, or 4;

R⁸ and R^{8a}, at each occurrence, are independently selected from H, F, C₁-C₄ alkyl, C₂-C₄ alkenyl, C₂-C₄ alkynyl and C₃-C₈ cycloalkyl;

20

X is a bond;

C₆-C₁₀ aryl substituted with 0-3 R^{Xb};

C₃-C₁₀ carbocycle substituted with 0-3 R^{Xb}; or

5 to 10 membered heterocycle substituted with 0-2 R^{Xb};

25

R^{Xb}, at each occurrence, is independently selected from H, OH, Cl, F, Br, I, CN, NO₂, NR¹⁵R¹⁶, CF₃, acetyl, SCH₃, S(=O)CH₃, S(=O)₂CH₃, C₁-C₆ alkyl, C₁-C₄ alkoxy, C₁-C₄ haloalkyl, C₁-C₄ haloalkoxy, and C₁-C₄ halothioalkoxy;

30

Y is a bond or -(CR⁹R^{9a})_t-V-(CR⁹R^{9a})_u-;

t is 0, 1, 2, or 3;

35 u is 0, 1, 2, or 3;

R⁹ and R^{9a}, at each occurrence, are independently selected from H, F, C₁-C₆ alkyl or C₃-C₈ cycloalkyl;

V is a bond, -C(=O)-, -O-, -S-, -S(=O)-, -S(=O)₂-, -N(R¹⁹)-, -C(=O)NR^{19b}-, -NR^{19b}C(=O)-, -NR^{19b}S(=O)₂-, -S(=O)₂NR^{19b}-, -NR^{19b}S(=O)-, -S(=O)NR^{19b}-, -C(=O)O-, or -OC(=O)-;

5

Z is C₁-C₃ alkyl substituted with 1-2 R¹²;
 C₆-C₁₀ aryl substituted with 0-4 R^{12b};
 C₃-C₁₀ carbocycle substituted with 0-4 R^{12b}; or
 5 to 10 membered heterocycle substituted with 0-3 R^{12b};

10

R¹² is C₆-C₁₀ aryl substituted with 0-4 R^{12b};
 C₃-C₁₀ carbocycle substituted with 0-4 R^{12b}; or
 5 to 10 membered heterocycle substituted with 0-3 R^{12b};

15 R^{12b}, at each occurrence, is independently selected from H, OH, Cl, F, Br, I, CN, NO₂, NR¹⁵R¹⁶, CF₃, acetyl, SCH₃, S(=O)CH₃, S(=O)₂CH₃, C₁-C₆ alkyl, C₁-C₄ alkoxy, C₁-C₄ haloalkyl, C₁-C₄ haloalkoxy, and C₁-C₄ halothioalkoxy;

20 B is a 5 to 10 membered lactam,
 wherein the lactam is saturated, partially saturated or unsaturated;
 wherein each additional lactam carbon is substituted with 0-2 R¹¹; and,
 25 optionally, the lactam contains a heteroatom selected from -O-, -S-, -S(=O)-, -S(=O)₂-, and -N(R¹⁰)-;

R¹⁰ is H, C(=O)R¹⁷, C(=O)OR¹⁷, C(=O)NR¹⁸R¹⁹, S(=O)₂NR¹⁸R¹⁹, S(=O)₂R¹⁷;

30 C₁-C₆ alkyl substituted with 0-2 R^{10a};
 C₆-C₁₀ aryl substituted with 0-4 R^{10b};
 C₃-C₁₀ carbocycle substituted with 0-3 R^{10b}; or
 5 to 10 membered heterocycle optionally substituted with 0-3 R^{10b};

35

R^{10a}, at each occurrence, is independently selected from H, C₁-C₆ alkyl, OR¹⁴, Cl, F, Br, I, =O, CN, NO₂, NR¹⁵R¹⁶, CF₃, or aryl substituted with 0-4 R^{10b};

R^{10b} , at each occurrence, is independently selected from H, OH, C_1 - C_6 alkyl, C_1 - C_4 alkoxy, Cl, F, Br, I, CN, NO_2 , $NR^{15}R^{16}$, CF_3 , acetyl, SCH_3 , $S(=O)CH_3$, $S(=O)_2CH_3$, C_1 - C_6 alkyl, C_1 - C_4 alkoxy, C_1 - C_4 haloalkyl, C_1 - C_4 haloalkoxy, and C_1 - C_4 halothioalkoxy;

R^{11} , at each occurrence, is independently selected from C_1 - C_4 alkoxy, Cl, F, Br, I, =O, CN, NO_2 , $NR^{18}R^{19}$, $C(=O)R^{17}$, $C(=O)OR^{17}$, $C(=O)NR^{18}R^{19}$, $S(=O)_2NR^{18}R^{19}$, CF_3 ; C_1 - C_6 alkyl substituted with 0-1 R^{11a} ; C_6 - C_{10} aryl substituted with 0-3 R^{11b} ; C_3 - C_{10} carbocycle substituted with 0-3 R^{11b} ; or 5 to 10 membered heterocycle substituted with 0-3 R^{11b} ;

alternatively, two R^{11} substituents on the same or adjacent carbon atoms may be combined to form a C_3 - C_6 carbocycle or a benzo fused radical;

R^{11a} , at each occurrence, is independently selected from H, C_1 - C_6 alkyl, OR^{14} , Cl, F, Br, I, =O, CN, NO_2 , $NR^{15}R^{16}$, CF_3 , or phenyl substituted with 0-3 R^{11b} ;

R^{11b} , at each occurrence, is independently selected from H, OH, Cl, F, Br, I, CN, NO_2 , $NR^{15}R^{16}$, CF_3 , acetyl, SCH_3 , $S(=O)CH_3$, $S(=O)_2CH_3$, C_1 - C_6 alkyl, C_1 - C_4 alkoxy, C_1 - C_4 haloalkyl, C_1 - C_4 haloalkoxy, and C_1 - C_4 halothioalkoxy;

R^{14} , at each occurrence, is independently selected from H, phenyl, benzyl, C_1 - C_6 alkyl, or C_2 - C_6 alkoxyalkyl;

R^{14a} is H, phenyl, benzyl, or C_1 - C_4 alkyl;

R^{15} , at each occurrence, is independently selected from H, C_1 - C_6 alkyl, benzyl, phenethyl, $-C(=O)-(C_1-C_6 \text{ alkyl})$ and $-S(=O)_2-(C_1-C_6 \text{ alkyl})$;

R¹⁶, at each occurrence, is independently selected from H, OH, C₁-C₆ alkyl, benzyl, phenethyl, -C(=O)-(C₁-C₆ alkyl) and -S(=O)₂-(C₁-C₆ alkyl);

5 R¹⁷ is H, aryl, aryl-CH₂-, C₁-C₆ alkyl, or C₂-C₆ alkoxyalkyl;

R¹⁸, at each occurrence, is independently selected from H, C₁-C₆ alkyl, benzyl, phenethyl, -C(=O)-(C₁-C₆ alkyl) and -S(=O)₂-(C₁-C₆ alkyl); and

10

R¹⁹, at each occurrence, is independently selected from H, OH, C₁-C₆ alkyl, phenyl, benzyl, phenethyl, -C(=O)-(C₁-C₆ alkyl) and -S(=O)₂-(C₁-C₆ alkyl); and

15 R^{19b} is H, C₁-C₆ alkyl, C₃-C₈ cycloalkyl, phenyl, benzyl or phenethyl.

2. A compound of Claim 1 wherein

20 Q is -NR¹R²;

R¹, at each occurrence, is independently selected from:

H;

C₁-C₆ alkyl substituted with 0-3 R^{1a};

25 C₂-C₆ alkenyl substituted with 0-3 R^{1a};

R^{1a}, at each occurrence, is independently selected from H, OR¹⁴, F, =O, NR¹⁵R¹⁶, CF₃;

C₃-C₆ cycloalkyl substituted with 0-3 R^{1b};

30 phenyl substituted with 0-3 R^{1b}; and

5 to 6 membered heterocycle substituted with 0-3 R^{1b};

R^{1b}, at each occurrence, is independently selected from H, OH, Cl, F, Br, I, CN, NO₂, NR¹⁵R¹⁶, CF₃, C₁-C₄ alkyl,

35 C₁-C₄ alkoxy, C₁-C₄ haloalkyl, and C₁-C₄ haloalkoxy;

R² is independently selected from H, NH₂, OH, C₁-C₆ alkyl, C₁-C₆ alkoxy, phenoxy, and benzyloxy;

- R^3 is $-(CR^7R^{7a})_n-R^4$,
 $-(CR^7R^{7a})_n-S-(CR^7R^{7a})_m-R^4$,
 $-(CR^7R^{7a})_n-O-(CR^7R^{7a})_m-R^4$,
5 $-(CR^7R^{7a})_n-N(R^{7b})-(CR^7R^{7a})_m-R^4$,
 $-(CR^7R^{7a})_n-S(=O)-(CR^7R^{7a})_m-R^4$,
 $-(CR^7R^{7a})_n-S(=O)_2-(CR^7R^{7a})_m-R^4$,
 $-(CR^7R^{7a})_n-C(=O)-(CR^7R^{7a})_m-R^4$,
 $-(CR^7R^{7a})_n-NHC(=O)-(CR^7R^{7a})_m-R^4$,
10 $-(CR^7R^{7a})_n-C(=O)NH-(CR^7R^{7a})_m-R^4$,
 $-(CR^7R^{7a})_n-NHS(=O)_2-(CR^7R^{7a})_m-R^4$, or
 $-(CR^7R^{7a})_n-S(=O)_2NH-(CR^7R^{7a})_m-R^4$;
- n is 0, 1, 2, or 3;
- 15 m is 0, 1, 2, or 3;
- R^{3a} is H, OH, C_1 - C_4 alkyl, C_1 - C_4 alkoxy, or C_2 - C_4 alkenyloxy;
- 20 R^4 is H, OH, OR^{14a} ,
 C_1 - C_6 alkyl substituted with 0-3 R^{4a} ,
 C_2 - C_6 alkenyl substituted with 0-3 R^{4a} ,
 C_2 - C_6 alkynyl substituted with 0-3 R^{4a} ,
 C_3 - C_{10} carbocycle substituted with 0-3 R^{4b} ,
25 C_6 - C_{10} aryl substituted with 0-3 R^{4b} , or
5 to 10 membered heterocycle substituted with 0-3 R^{4b} ;
- R^{4a} , at each occurrence, is independently selected from is H,
F, Cl, Br, I, CF_3 ,
30 C_3 - C_{10} carbocycle substituted with 0-3 R^{4b} ,
 C_6 - C_{10} aryl substituted with 0-3 R^{4b} , or
5 to 10 membered heterocycle substituted with 0-3 R^{4b} ;
- R^{4b} , at each occurrence, is independently selected from H,
35 OH, Cl, F, Br, I, CN, NO_2 , $NR^{15}R^{16}$, CF_3 , acetyl, SCH_3 ,
 $S(=O)CH_3$, $S(=O)_2CH_3$, C_1 - C_6 alkyl, C_1 - C_4 alkoxy, C_1 - C_4
haloalkyl, and C_1 - C_4 haloalkoxy;

- R⁵ is H, OR¹⁴;
C₁-C₆ alkyl substituted with 0-3 R^{5b};
C₁-C₆ alkoxy substituted with 0-3 R^{5b};
C₂-C₆ alkenyl substituted with 0-3 R^{5b};
5 C₂-C₆ alkynyl substituted with 0-3 R^{5b};
C₃-C₁₀ carbocycle substituted with 0-3 R^{5c};
C₆-C₁₀ aryl substituted with 0-3 R^{5c}; or
5 to 10 membered heterocycle substituted with 0-3R^{5c};
- 10 R^{5a} is H, OH, C₁-C₄ alkyl, C₁-C₄ alkoxy, C₂-C₄ alkenyl, or C₂-C₄ alkenyloxy;
- R^{5b}, at each occurrence, is independently selected from:
H, C₁-C₆ alkyl, CF₃, OR¹⁴, Cl, F, Br, I, =O, CN, NO₂,
15 NR¹⁵R¹⁶;
C₃-C₁₀ carbocycle substituted with 0-3 R^{5c};
C₆-C₁₀ aryl substituted with 0-3 R^{5c}; or
5 to 10 membered heterocycle substituted with 0-3 R^{5c};
- 20 R^{5c}, at each occurrence, is independently selected from H, OH, Cl, F, Br, I, CN, NO₂, NR¹⁵R¹⁶, CF₃, acetyl, SCH₃, S(=O)CH₃, S(=O)₂CH₃, C₁-C₆ alkyl, C₁-C₄ alkoxy, C₁-C₄ haloalkyl, and C₁-C₄ haloalkoxy;
- 25 R⁶ is H;
C₁-C₆ alkyl substituted with 0-3 R^{6a};
C₃-C₆ carbocycle substituted with 0-3 R^{6b}; or
C₆-C₁₀ aryl substituted with 0-3R^{6b};
- 30 R^{6a}, at each occurrence, is independently selected from H, C₁-C₆ alkyl, OR¹⁴, Cl, F, Br, I, =O, CN, NO₂, NR¹⁵R¹⁶, phenyl or CF₃;
- R^{6b}, at each occurrence, is independently selected from H,
35 OH, Cl, F, Br, I, CN, NO₂, NR¹⁵R¹⁶, CF₃, C₁-C₆ alkyl, C₁-C₄ alkoxy, C₁-C₄ haloalkyl, and C₁-C₄ haloalkoxy;

R⁷, at each occurrence, is independently selected from H, OH, Cl, F, Br, I, CN, NO₂, CF₃, and C₁-C₄ alkyl;

5 R^{7a}, at each occurrence, is independently selected from H, OH, Cl, F, Br, I, CN, NO₂, CF₃, aryl and C₁-C₄ alkyl;

R^{7b} is independently selected from H and C₁-C₄ alkyl;

10 W is -(CR⁸R^{8a})_p-;

p is 0, 1, 2, 3, or 4;

15 R⁸ and R^{8a}, at each occurrence, are independently selected from H, F, C₁-C₄ alkyl, C₂-C₄ alkenyl, C₂-C₄ alkynyl and C₃-C₈ cycloalkyl;

20 X is a bond;
C₆-C₁₀ aryl substituted with 0-3 R^{Xb};
C₃-C₁₀ carbocycle substituted with 0-3 R^{Xb}; or
5 to 10 membered heterocycle substituted with 0-2 R^{Xb};

25 R^{Xb}, at each occurrence, is independently selected from H, OH, Cl, F, Br, I, CN, NO₂, NR¹⁵R¹⁶, CF₃, acetyl, SCH₃, S(=O)CH₃, S(=O)₂CH₃, C₁-C₆ alkyl, C₁-C₄ alkoxy, C₁-C₄ haloalkyl, and C₁-C₄ haloalkoxy;

Y is a bond or -(CR⁹R^{9a})_t-V-(CR⁹R^{9a})_u-;

30 t is 0, 1, 2, or 3;

u is 0, 1, 2, or 3;

35 R⁹ and R^{9a}, at each occurrence, are independently selected from H, F, C₁-C₆ alkyl or C₃-C₈ cycloalkyl;

V is a bond, -C(=O)-, -O-, -S-, -S(=O)-, -S(=O)₂-, -N(R¹⁹)-, -C(=O)NR^{19b}-, -NR^{19b}C(=O)-, -NR^{19b}S(=O)₂-, -S(=O)₂NR^{19b}-, -NR^{19b}S(=O)-, -S(=O)NR^{19b}-, -C(=O)O-, or -OC(=O)-;

Z is C₁-C₃ alkyl substituted with 1-2 R¹²;
C₆-C₁₀ aryl substituted with 0-4 R^{12b};
C₃-C₁₀ carbocycle substituted with 0-4 R^{12b}; or
5 5 to 10 membered heterocycle substituted with 0-3 R^{12b};

R¹² is C₆-C₁₀ aryl substituted with 0-4 R^{12b};
C₃-C₁₀ carbocycle substituted with 0-4 R^{12b}; or
10 5 to 10 membered heterocycle substituted with 0-3 R^{12b};

R^{12b}, at each occurrence, is independently selected from H,
OH, Cl, F, Br, I, CN, NO₂, NR¹⁵R¹⁶, CF₃, acetyl, SCH₃,
S(=O)CH₃, S(=O)₂CH₃, C₁-C₆ alkyl, C₁-C₄ alkoxy, C₁-C₄
haloalkyl, and C₁-C₄ haloalkoxy;

15 B is a 6, 7, or 8 membered lactam,
wherein the lactam is saturated, partially saturated or
unsaturated;
wherein each additional lactam carbon is substituted
20 with 0-2 R¹¹; and,
optionally, the lactam contains a heteroatom selected
from -O-, -S-, -S(=O)-, -S(=O)₂-, and -N(R¹⁰)-;

R¹⁰ is H, C(=O)R¹⁷, C(=O)OR¹⁷, C(=O)NR¹⁸R¹⁹, S(=O)₂NR¹⁸R¹⁹,
25 S(=O)₂R¹⁷;
C₁-C₆ alkyl substituted with 0-1 R^{10a};
C₆-C₁₀ aryl substituted with 0-4 R^{10b};
C₃-C₁₀ carbocycle substituted with 0-3 R^{10b}; or
5 to 10 membered heterocycle optionally substituted with
30 0-3 R^{10b};

R^{10a}, at each occurrence, is independently selected from H,
C₁-C₆ alkyl, OR¹⁴, Cl, F, Br, I, =O, CN, NO₂, NR¹⁵R¹⁶,
CF₃, or phenyl substituted with 0-4 R^{10b};

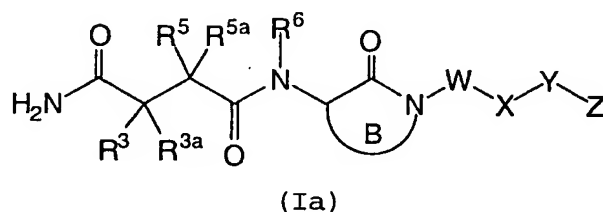
35 R^{10b}, at each occurrence, is independently selected from H,
OH, C₁-C₆ alkyl, C₁-C₄ alkoxy, Cl, F, Br, I, CN, NO₂,
NR¹⁵R¹⁶, or CF₃;

- R¹¹, at each occurrence, is independently selected from
C₁-C₄ alkoxy, Cl, F, Br, I, =O, CN, NO₂, NR¹⁸R¹⁹,
C(=O)R¹⁷, C(=O)OR¹⁷, C(=O)NR¹⁸R¹⁹, S(=O)₂NR¹⁸R¹⁹,
5 CF₃;
C₁-C₆ alkyl substituted with 0-1 R^{11a};
C₆-C₁₀ aryl substituted with 0-3 R^{11b};
C₃-C₁₀ carbocycle substituted with 0-3 R^{11b}; or
5 to 10 membered heterocycle substituted with 0-3 R^{11b};
10 alternatively, two R¹¹ substituents on the same or adjacent
carbon atoms may be combined to form a C₃-C₆ carbocycle
or a benzo fused radical;
- 15 R^{11a}, at each occurrence, is independently selected from H,
C₁-C₆ alkyl, OR¹⁴, Cl, F, Br, I, =O, CN, NO₂, NR¹⁵R¹⁶,
CF₃, or phenyl substituted with 0-3 R^{11b};
- R^{11b}, at each occurrence, is independently selected from H,
20 OH, Cl, F, Br, I, CN, NO₂, NR¹⁵R¹⁶, CF₃, C₁-C₆ alkyl,
C₁-C₄ alkoxy, C₁-C₄ haloalkyl, and C₁-C₄ haloalkoxy;
- R¹⁴ is H, phenyl, benzyl, C₁-C₆ alkyl, or C₂-C₆ alkoxyalkyl;
- 25 R¹⁵, at each occurrence, is independently selected from H,
C₁-C₆ alkyl, benzyl, phenethyl, -C(=O)-(C₁-C₆ alkyl) and
-S(=O)₂-(C₁-C₆ alkyl);
- R¹⁶, at each occurrence, is independently selected from H,
30 OH, C₁-C₆ alkyl, benzyl, phenethyl, -C(=O)-(C₁-C₆ alkyl)
and -S(=O)₂-(C₁-C₆ alkyl);
- R¹⁷ is H, aryl, (aryl)CH₂-, C₁-C₆ alkyl, or C₂-C₆ alkoxyalkyl;
- 35 R¹⁸, at each occurrence, is independently selected from H,
C₁-C₆ alkyl, benzyl, phenethyl, -C(=O)-(C₁-C₆ alkyl) and
-S(=O)₂-(C₁-C₆ alkyl); and

R^{19} , at each occurrence, is independently selected from H, OH, C_1 - C_6 alkyl, phenyl, benzyl, phenethyl, $-C(=O)-(C_1-C_6 \text{ alkyl})$ and $-S(=O)_2-(C_1-C_6 \text{ alkyl})$; and

5 R^{19b} is H, C_1 - C_6 alkyl, C_3 - C_8 cycloalkyl, phenyl, benzyl or phenethyl.

3. A compound of Claim 2 of Formula (Ia)



or a pharmaceutically acceptable salt or prodrug thereof,
wherein:

15

R^3 is $-(CR^7R^{7a})_n-R^4$,
 $-(CR^7R^{7a})_n-S-(CR^7R^{7a})_m-R^4$,
 $-(CR^7R^{7a})_n-O-(CR^7R^{7a})_m-R^4$, or
 $-(CR^7R^{7a})_n-N(R^{7b})-(CR^7R^{7a})_m-R^4$;

20

n is 0, 1, or 2;

m is 0, 1, or 2;

25 R^{3a} is H, OH, methyl, ethyl, propyl, butyl, methoxy, ethoxy, propoxy, or butoxy;

R^4 is H, OH, OR^{14a} ,

30 C_1 - C_4 alkyl substituted with 0-2 R^{4a} ,
 C_2 - C_4 alkenyl substituted with 0-2 R^{4a} ,
 C_2 - C_4 alkynyl substituted with 0-2 R^{4a} ,
 C_3 - C_6 cycloalkyl substituted with 0-3 R^{4b} ,
 C_6 - C_{10} aryl substituted with 0-3 R^{4b} , or
5 to 10 membered heterocycle substituted with 0-3 R^{4b} ;

35

- R^{4a}, at each occurrence, is independently selected from is H,
F, Cl, Br, I CF₃,
C₃-C₁₀ carbocycle substituted with 0-3 R^{4b},
C₆-C₁₀ aryl substituted with 0-3 R^{4b}, or
5 5 to 10 membered heterocycle substituted with 0-3 R^{4b};
- R^{4b}, at each occurrence, is independently selected from H,
OH, Cl, F, Br, I, CN, NO₂, NR¹⁵R¹⁶, CF₃, acetyl, SCH₃,
S(=O)CH₃, S(=O)₂CH₃, C₁-C₆ alkyl, C₁-C₄ alkoxy, C₁-C₄
10 haloalkyl, and C₁-C₄ haloalkoxy;
- R⁵ is H, OR¹⁴;
C₁-C₆ alkyl substituted with 0-3 R^{5b};
C₂-C₆ alkenyl substituted with 0-3 R^{5b};
15 C₂-C₆ alkynyl substituted with 0-3 R^{5b};
C₃-C₁₀ carbocycle substituted with 0-3 R^{5c};
C₆-C₁₀ aryl substituted with 0-3 R^{5c}; or
5 to 10 membered heterocycle substituted with 0-3R^{5c};
- 20 R^{5a} is H, OH, C₁-C₄ alkyl, C₁-C₄ alkoxy, C₂-C₄ alkenyl, or C₂-
C₄ alkenyloxy;
- R^{5b}, at each occurrence, is independently selected from:
H, C₁-C₆ alkyl, CF₃, OR¹⁴, Cl, F, Br, I, =O, CN, NO₂,
25 NR¹⁵R¹⁶;
C₃-C₁₀ carbocycle substituted with 0-3 R^{5c};
C₆-C₁₀ aryl substituted with 0-3 R^{5c}; or
5 to 10 membered heterocycle substituted with 0-3 R^{5c};
- 30 R^{5c}, at each occurrence, is independently selected from H,
OH, Cl, F, Br, I, CN, NO₂, NR¹⁵R¹⁶, CF₃, acetyl, SCH₃,
S(=O)CH₃, S(=O)₂CH₃, C₁-C₆ alkyl, C₁-C₄ alkoxy, C₁-C₄
haloalkyl, and C₁-C₄ haloalkoxy;
- 35 R⁶ is H, methyl, or ethyl;
- R⁷, at each occurrence, is independently selected from H, OH,
Cl, F, Br, I, CN, NO₂, CF₃, and C₁-C₄ alkyl;

R^{7a} , at each occurrence, is independently selected from H, OH, Cl, F, Br, I, CN, NO_2 , CF_3 , phenyl and C_1 - C_4 alkyl;

5 R^{7b} is independently selected from H, methyl, ethyl, propyl, and butyl;

W is $-(CR^8R^{8a})_p-$;

10 p is 0, 1, or 2;

R^8 and R^{8a} , at each occurrence, are independently selected from H, F, C_1 - C_3 alkyl, C_2 - C_3 alkenyl, C_2 - C_3 alkynyl and C_3 - C_6 cycloalkyl;

15

X is a bond;

C_6 - C_{10} aryl substituted with 0-3 R^{Xb} ;

C_3 - C_{10} carbocycle substituted with 0-2 R^{Xb} ; or

5 to 10 membered heterocycle substituted with 0-2 R^{Xb} ;

20

R^{Xb} , at each occurrence, is independently selected from H, OH, Cl, F, Br, I, CN, NO_2 , $NR^{15}R^{16}$, CF_3 , acetyl, SCH_3 , $S(=O)CH_3$, $S(=O)_2CH_3$, C_1 - C_6 alkyl, C_1 - C_4 alkoxy, C_1 - C_4 haloalkyl, and C_1 - C_4 haloalkoxy;

25

Y is a bond or $-(CR^9R^{9a})_t-V-(CR^9R^{9a})_u-$;

t is 0, 1, or 2;

30 u is 0, 1, or 2;

R^9 and R^{9a} , at each occurrence, are independently selected from H, F, C_1 - C_4 alkyl or C_3 - C_6 cycloalkyl;

35 V is a bond, $-C(=O)-$, $-O-$, $-S-$, $-S(=O)-$, $-S(=O)_2-$, $-N(R^{19})-$, $-C(=O)NR^{19b}-$, $-NR^{19b}C(=O)-$, $-NR^{19b}S(=O)_2-$, $-S(=O)_2NR^{19b}-$, $-NR^{19b}S(=O)-$, or $-S(=O)NR^{19b}-$;

- Z is C₁-C₃ alkyl substituted with 1-2 R¹²;
C₆-C₁₀ aryl substituted with 0-4 R^{12b};
C₃-C₁₀ carbocycle substituted with 0-4 R^{12b}; or
5 to 10 membered heterocycle substituted with 0-3 R^{12b};
- 5 R¹² is C₆-C₁₀ aryl substituted with 0-4 R^{12b};
C₃-C₁₀ carbocycle substituted with 0-4 R^{12b}; or
5 to 10 membered heterocycle substituted with 0-3 R^{12b};
- 10 R^{12b}, at each occurrence, is independently selected from H,
OH, Cl, F, Br, I, CN, NO₂, NR¹⁵R¹⁶, CF₃, acetyl, SCH₃,
S(=O)CH₃, S(=O)₂CH₃, C₁-C₆ alkyl, C₁-C₄ alkoxy, C₁-C₄
haloalkyl, and C₁-C₄ haloalkoxy;
- 15 B is a seven membered lactam,
wherein the lactam is saturated, partially saturated or
unsaturated;
wherein each additional lactam carbon is substituted
with 0-2 R¹¹; and,
- 20 optionally, the lactam contains a heteroatom selected
from -O-, -S-, -S(=O)-, -S(=O)₂-, and -N(R¹⁰)-;
- R¹⁰ is H, C(=O)R¹⁷, C(=O)OR¹⁷, C(=O)NR¹⁸R¹⁹, S(=O)₂NR¹⁸R¹⁹,
S(=O)₂R¹⁷;
- 25 C₁-C₆ alkyl substituted with 0-1 R^{10a};
C₆-C₁₀ aryl substituted with 0-4 R^{10b};
C₃-C₁₀ carbocycle substituted with 0-3 R^{10b}; or
5 to 10 membered heterocycle optionally substituted with
0-3 R^{10b};
- 30 R^{10a}, at each occurrence, is independently selected from H,
C₁-C₆ alkyl, OR¹⁴, Cl, F, Br, I, =O, CN, NO₂, NR¹⁵R¹⁶,
CF₃, or phenyl substituted with 0-4 R^{10b};
- 35 R^{10b}, at each occurrence, is independently selected from H,
OH, C₁-C₆ alkyl, C₁-C₄ alkoxy, Cl, F, Br, I, CN, NO₂,
NR¹⁵R¹⁶, or CF₃;

- R^{11} , at each occurrence, is independently selected from
C₁-C₄ alkoxy, Cl, F, =O, NR¹⁸R¹⁹, C(=O)R¹⁷, C(=O)OR¹⁷,
C(=O)NR¹⁸R¹⁹, S(=O)₂NR¹⁸R¹⁹, CF₃;
C₁-C₆ alkyl substituted with 0-1 R^{11a};
5 C₆-C₁₀ aryl substituted with 0-3 R^{11b};
C₃-C₁₀ carbocycle substituted with 0-3 R^{11b}; or
5 to 10 membered heterocycle substituted with 0-3 R^{11b};
- alternatively, two R¹¹ substituents on the same or adjacent
10 carbon atoms may be combined to form a C₃-C₆ carbocycle
or a benzo fused radical;
- R^{11a}, at each occurrence, is independently selected from H,
C₁-C₆ alkyl, OR¹⁴, Cl, F, Br, I, =O, CN, NO₂, NR¹⁵R¹⁶,
15 CF₃, or phenyl substituted with 0-3 R^{11b};
- R^{11b}, at each occurrence, is independently selected from H,
OH, Cl, F, Br, I, CN, NO₂, NR¹⁵R¹⁶, CF₃, C₁-C₆ alkyl,
C₁-C₄ alkoxy, C₁-C₄ haloalkyl, and C₁-C₄ haloalkoxy;
20
- R¹⁴ is H, phenyl, benzyl, C₁-C₆ alkyl, or C₂-C₆ alkoxyalkyl;
- R¹⁵, at each occurrence, is independently selected from H,
C₁-C₆ alkyl, benzyl, phenethyl, -C(=O)-(C₁-C₆ alkyl) and
25 -S(=O)₂-(C₁-C₆ alkyl);
- R¹⁶, at each occurrence, is independently selected from H,
OH, C₁-C₆ alkyl, benzyl, phenethyl, -C(=O)-(C₁-C₆ alkyl)
and -S(=O)₂-(C₁-C₆ alkyl);
30
- R¹⁷ is H, aryl, (aryl)CH₂-, C₁-C₆ alkyl, or C₂-C₆ alkoxyalkyl;
- R¹⁸, at each occurrence, is independently selected from H,
C₁-C₆ alkyl, benzyl, phenethyl, -C(=O)-(C₁-C₆ alkyl) and
35 -S(=O)₂-(C₁-C₆ alkyl); and

R¹⁹, at each occurrence, is independently selected from H, OH, C₁-C₆ alkyl, phenyl, benzyl, phenethyl, -C(=O)-(C₁-C₆ alkyl) and -S(=O)₂-(C₁-C₆ alkyl); and

- 5 R^{19b} is H, C₁-C₆ alkyl, C₃-C₈ cycloalkyl, phenyl, benzyl or phenethyl.

4. A compound of Claim 3 wherein:

- 10 R³ is -(CR⁷R^{7a})_n-R⁴,
-(CR⁷R^{7a})_n-S-(CR⁷R^{7a})_m-R⁴,
-(CR⁷R^{7a})_n-O-(CR⁷R^{7a})_m-R⁴, or
-(CR⁷R^{7a})_n-N(R^{7b})-(CR⁷R^{7a})_m-R⁴;

15 n is 0 or 1;

m is 0 or 1;

- 20 R^{3a} is H, OH, methyl, ethyl, propyl, butyl, methoxy, ethoxy, propoxy, or butoxy;

R⁴ is H, OH,

- C₁-C₄ alkyl substituted with 0-2 R^{4a},
C₂-C₄ alkenyl substituted with 0-2 R^{4a},
25 C₂-C₄ alkynyl substituted with 0-1 R^{4a},
C₃-C₆ cycloalkyl substituted with 0-3 R^{4b},
C₆-C₁₀ aryl substituted with 0-3 R^{4b}, or
5 to 10 membered heterocycle substituted with 0-3 R^{4b};

- 30 R^{4a}, at each occurrence, is independently selected from is H, F, Cl, CF₃,
C₃-C₆ cycloalkyl substituted with 0-3 R^{4b},
phenyl substituted with 0-3 R^{4b}, or
5 to 6 membered heterocycle substituted with 0-3 R^{4b};

35

R^{4b}, at each occurrence, is independently selected from H, OH, Cl, F, Br, I, CN, NO₂, NR¹⁵R¹⁶, CF₃, acetyl, SCH₃,

$S(=O)CH_3$, $S(=O)_2CH_3$, C_1-C_4 alkyl, C_1-C_3 alkoxy, C_1-C_2 haloalkyl, and C_1-C_2 haloalkoxy;

R^5 is H, OR^{14} ;

- 5 C_1-C_4 alkyl substituted with 0-3 R^{5b} ;
 C_2-C_4 alkenyl substituted with 0-2 R^{5b} ; or
 C_2-C_4 alkynyl substituted with 0-2 R^{5b} ;

- 10 R^{5a} is H, OH, methyl, ethyl, propyl, butyl, methoxy, ethoxy,
propoxy, butoxy, or allyl;

- R^{5b} , at each occurrence, is independently selected from:
H, methyl, ethyl, propyl, butyl, CF_3 , OR^{14} , =O;
 C_3-C_6 cycloalkyl substituted with 0-2 R^{5c} ;
15 phenyl substituted with 0-3 R^{5c} ; or
5 to 6 membered heterocycle substituted with 0-2 R^{5c} ;

- R^{5c} , at each occurrence, is independently selected from H,
OH, Cl, F, Br, I, CN, NO_2 , $NR^{15}R^{16}$, CF_3 , acetyl, SCH_3 ,
20 $S(=O)CH_3$, $S(=O)_2CH_3$, C_1-C_4 alkyl, C_1-C_3 alkoxy, C_1-C_2
haloalkyl, and C_1-C_2 haloalkoxy;

R^6 is H;

- 25 R^7 , at each occurrence, is independently selected from H, F,
 CF_3 , methyl, and ethyl;

R^{7a} , at each occurrence, is independently selected from H, F,
 CF_3 , methyl, and ethyl;

30

R^{7b} is independently selected from H, methyl, and ethyl;

W is a bond, $-CH_2-$, $-CH(CH_3)-$, $-CH_2CH_2-$ or $-CH(CH_3)CH_2-$;

- 35 X is a bond;

phenyl substituted with 0-2 R^{Xb} ;
 C_3-C_6 cycloalkyl substituted with 0-2 R^{Xb} ; or
5 to 6 membered heterocycle substituted with 0-2 R^{Xb} ;

R^{Xb} , at each occurrence, is independently selected from H,
OH, Cl, F, $NR^{15}R^{16}$, CF_3 , acetyl, SCH_3 , $S(=O)CH_3$,
 $S(=O)_2CH_3$, C_1 - C_4 alkyl, C_1 - C_3 alkoxy, C_1 - C_2 haloalkyl,
5 and C_1 - C_2 haloalkoxy;

Y is a bond, $-CH_2-V-$, $-V-$, or $-V-CH_2-$;

V is a bond, $-C(=O)-$, $-O-$, $-S-$, $-S(=O)-$, $-S(=O)_2-$, $-NH-$,
10 $-N(CH_3)-$, or $-N(CH_2CH_3)-$,

Z is C_1 - C_2 alkyl substituted with 1-2 R^{12} ;
 C_6 - C_{10} aryl substituted with 0-4 R^{12b} ;
 C_3 - C_6 carbocycle substituted with 0-3 R^{12b} ; or
15 5 to 10 membered heterocycle substituted with 0-3 R^{12b} ;

R^{12} is C_6 - C_{10} aryl substituted with 0-4 R^{12b} ;
 C_3 - C_6 carbocycle substituted with 0-3 R^{12b} ; or
5 to 10 membered heterocycle substituted with 0-3 R^{12b} ;

20 R^{12b} , at each occurrence, is independently selected from H,
OH, Cl, F, $NR^{15}R^{16}$, CF_3 , acetyl, SCH_3 , $S(=O)CH_3$,
 $S(=O)_2CH_3$, C_1 - C_4 alkyl, C_1 - C_3 alkoxy, C_1 - C_2 haloalkyl,
and C_1 - C_2 haloalkoxy;

25 B is a seven membered lactam,
wherein the lactam is saturated, partially saturated or
unsaturated;
wherein each additional lactam carbon is substituted
30 with 0-2 R^{11} ; and,
optionally, the lactam contains a heteroatom selected
from $-O-$, $-S-$, $-S(=O)-$, $-S(=O)_2-$, and $-N(R^{10})-$;

R^{10} is H, $C(=O)R^{17}$, $C(=O)OR^{17}$;
35 C_1 - C_4 alkyl substituted with 0-1 R^{10a} ;
phenyl substituted with 0-4 R^{10b} ;
 C_3 - C_6 carbocycle substituted with 0-3 R^{10b} ; or

5 to 6 membered heterocycle optionally substituted with
0-3 R^{10b};

5 R^{10a}, at each occurrence, is independently selected from H,
C₁-C₄ alkyl, OR¹⁴, Cl, F, Br, I, =O, CN, NO₂, NR¹⁵R¹⁶,
CF₃, or phenyl substituted with 0-4 R^{10b};

10 R^{10b}, at each occurrence, is independently selected from H,
OH, C₁-C₄ alkyl, C₁-C₃ alkoxy, Cl, F, Br, I, CN, NO₂,
NR¹⁵R¹⁶, or CF₃;

15 R¹¹, at each occurrence, is independently selected from
C₁-C₄ alkoxy, Cl, F, =O, NR¹⁸R¹⁹, C(=O)R¹⁷, C(=O)OR¹⁷,
CF₃;
C₁-C₄ alkyl substituted with 0-1 R^{11a};
phenyl substituted with 0-3 R^{11b};
C₃-C₆ carbocycle substituted with 0-3 R^{11b}; or
5 to 6 membered heterocycle substituted with 0-3 R^{11b};

20 alternatively, two R¹¹ substituents on the same or adjacent
carbon atoms may be combined to form a cyclopropyl,
cyclobutyl, cyclopentyl, cyclohexyl, or a benzo fused
radical;

25 R^{11a}, at each occurrence, is independently selected from H,
C₁-C₄ alkyl, OR¹⁴, F, =O, NR¹⁵R¹⁶, CF₃, or phenyl
substituted with 0-3 R^{11b};

30 R^{11b}, at each occurrence, is independently selected from H,
OH, Cl, F, NR¹⁵R¹⁶, CF₃, C₁-C₄ alkyl, C₁-C₃ alkoxy, C₁-C₂
haloalkyl, and C₁-C₂ haloalkoxy;

R¹⁴ is H, phenyl, benzyl, C₁-C₄ alkyl, or C₂-C₄ alkoxyalkyl;

35 R¹⁵, at each occurrence, is independently selected from H,
C₁-C₄ alkyl, benzyl, phenethyl, -C(=O)-(C₁-C₄ alkyl) and
-S(=O)₂-(C₁-C₄ alkyl);

R¹⁶, at each occurrence, is independently selected from H, OH, C₁-C₄ alkyl, benzyl, phenethyl, -C(=O)-(C₁-C₄ alkyl) and -S(=O)₂-(C₁-C₄ alkyl);

5 R¹⁷ is H, phenyl, 4-fluorophenyl, 4-chlorophenyl, 4-methylphenyl, 4-trifluorophenyl, (4-fluorophenyl)methyl, (4-chlorophenyl)methyl, (4-methylphenyl)methyl, (4-trifluorophenyl)methyl, methyl, ethyl, propyl, butyl, methoxymethyl, methoxyethyl, ethoxymethyl, or
10 ethoxyethyl;

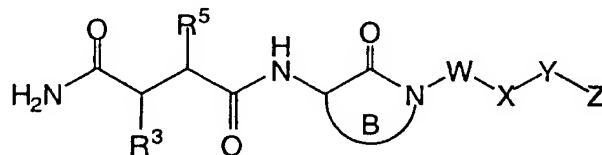
R¹⁸, at each occurrence, is independently selected from H, methyl, ethyl, propyl, butyl, phenyl, benzyl, and phenethyl; and

15

R¹⁹, at each occurrence, is independently selected from H, methyl, and ethyl.

5. A compound of Claim 4 of Formula (Ib) wherein:

20



(Ib)

or a pharmaceutically acceptable salt or prodrug thereof,
25 wherein:

R³ is -CH₃, -CH₂CH₃, -CH₂CH₂CH₃, -CH₂CH₂CH₂CH₃,
-CH₂(CH₃)₂, -CH(CH₃)CH₂CH₃, -CH₂CH(CH₃)₂, -CH₂C(CH₃)₃,
-CF₃, -CH₂CF₃, -CH₂CH₂CF₃, -CH₂CH₂CH₂CF₃,
30 -CH=CH₂, -CH₂CH=CH₂, -CH₂C(CH₃)=CH₂, -CH₂CH=C(CH₃)₂,
-CH₂CH₂CH=CH₂, -CH₂CH₂C(CH₃)=CH₂, -CH₂CH₂CH=C(CH₃)₂,
cis-CH₂CH=CH(CH₃), cis-CH₂CH₂CH=CH(CH₃), trans-
CH₂CH=CH(CH₃), trans-CH₂CH₂CH=CH(CH₃);
-C≡CH, -CH₂C≡CH, -CH₂C≡C(CH₃),

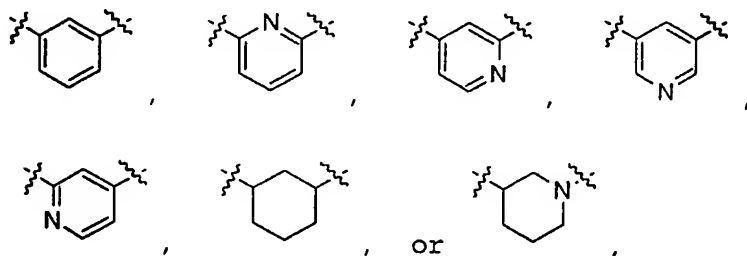
- cyclopropyl-CH₂-, cyclobutyl-CH₂-, cyclopentyl-CH₂-,
 cyclohexyl-CH₂-, cyclopropyl-CH₂CH₂-, cyclobutyl-
 CH₂CH₂-, cyclopentyl-CH₂CH₂-, cyclohexyl-CH₂CH₂-,
 phenyl-CH₂-,
 5 (2-F-phenyl)CH₂-, (3-F-phenyl)CH₂-, (4-F-phenyl)CH₂-,
 (2-Cl-phenyl)CH₂-, (3-Cl-phenyl)CH₂-, (4-Cl-
 phenyl)CH₂-,
 (2,3-diF-phenyl)CH₂-, (2,4-diF-phenyl)CH₂-,
 (2,5-diF-phenyl)CH₂-, (2,6-diF-phenyl)CH₂-,
 10 (3,4-diF-phenyl)CH₂-, (3,5-diF-phenyl)CH₂-,
 (2,3-diCl-phenyl)CH₂-, (2,4-diCl-phenyl)CH₂-,
 (2,5-diCl-phenyl)CH₂-, (2,6-diCl-phenyl)CH₂-,
 (3,4-diCl-phenyl)CH₂-, (3,5-diCl-phenyl)CH₂-,
 (3-F-4-Cl-phenyl)CH₂-, (3-F-5-Cl-phenyl)CH₂-,
 15 (3-Cl-4-F-phenyl)CH₂-,
 phenyl-CH₂CH₂-,
 (2-F-phenyl)CH₂CH₂-, (3-F-phenyl)CH₂CH₂-,
 (4-F-phenyl)CH₂CH₂-, (2-Cl-phenyl)CH₂CH₂-,
 (3-Cl-phenyl)CH₂CH₂-, (4-Cl-phenyl)CH₂CH₂-,
 20 (2,3-diF-phenyl)CH₂CH₂-, (2,4-diF-phenyl)CH₂CH₂-,
 (2,5-diF-phenyl)CH₂CH₂-, (2,6-diF-phenyl)CH₂CH₂-,
 (3,4-diF-phenyl)CH₂CH₂-, (3,5-diF-phenyl)CH₂CH₂-,
 (2,3-diCl-phenyl)CH₂CH₂-, (2,4-diCl-phenyl)CH₂CH₂-,
 (2,5-diCl-phenyl)CH₂CH₂-, (2,6-diCl-phenyl)CH₂CH₂-,
 25 (3,4-diCl-phenyl)CH₂CH₂-, (3,5-diCl-phenyl)CH₂CH₂-,
 (3-F-4-Cl-phenyl)CH₂CH₂-, (3-F-5-Cl-phenyl)CH₂CH₂-, or
- R⁵ is -CH₃, -CH₂CH₃, -CH₂CH₂CH₃, -CH₂(CH₃)₂, -CH₂CH₂CH₂CH₃,
 -CH(CH₃)CH₂CH₃, -CH₂CH(CH₃)₂, -CH₂C(CH₃)₃,
 30 -CH₂CH₂CH₂CH₂CH₃, -CH(CH₃)CH₂CH₂CH₃, -CH₂CH(CH₃)CH₂CH₃,
 -CH₂CH₂CH(CH₃)₂, -CH(CH₂CH₃)₂, -CF₃, -CH₂CF₃, -CH₂CH₂CF₃,
 -CH₂CH₂CH₂CF₃, -CH₂CH₂CH₂CH₂CF₃, -CH=CH₂, -CH₂CH=CH₂,
 -CH=CHCH₃, cis-CH₂CH=CH(CH₃), trans-CH₂CH=CH(CH₃),
 trans-CH₂CH=CH(C₆H₅), -CH₂CH=C(CH₃)₂, cis-CH₂CH=CHCH₂CH₃,
 35 trans-CH₂CH=CHCH₂CH₃, cis-CH₂CH₂CH=CH(CH₃), trans-
 CH₂CH₂CH=CH(CH₃), trans-CH₂CH=CHCH₂(C₆H₅),
 -C≡CH, -CH₂C≡CH, -CH₂C≡C(CH₃), -CH₂C≡C(C₆H₅)
 -CH₂CH₂C≡CH, -CH₂CH₂C≡C(CH₃), -CH₂CH₂C≡C(C₆H₅)

- CH₂CH₂CH₂C≡CH, -CH₂CH₂CH₂C≡C(CH₃), -CH₂CH₂CH₂C≡C(C₆H₅)
 cyclopropyl-CH₂-, cyclobutyl-CH₂-, cyclopentyl-CH₂-,
 cyclohexyl-CH₂-, (2-CH₃-cyclopropyl)CH₂-,
 (3-CH₃-cyclobutyl)CH₂-,
 5 cyclopropyl-CH₂CH₂-, cyclobutyl-CH₂CH₂-,
 cyclopentyl-CH₂CH₂-, cyclohexyl-CH₂CH₂-,
 (2-CH₃-cyclopropyl)CH₂CH₂-, (3-CH₃-cyclobutyl)CH₂CH₂-,
 phenyl-CH₂-, (2-F-phenyl)CH₂-, (3-F-phenyl)CH₂-,
 (4-F-phenyl)CH₂-, furanyl-CH₂-, thienyl-CH₂-,
 10 pyridyl-CH₂-, 1-imidazolyl-CH₂-, oxazolyl-CH₂-,
 isoxazolyl-CH₂-,
 phenyl-CH₂CH₂-, (2-F-phenyl)CH₂CH₂-, (3-F-phenyl)CH₂CH₂-,
 (4-F-phenyl)CH₂CH₂-, furanyl-CH₂CH₂-, thienyl-CH₂CH₂-,
 pyridyl-CH₂CH₂-, 1-imidazolyl-CH₂CH₂-, oxazolyl-CH₂CH₂-,
 15 isoxazolyl-CH₂CH₂-,

W is a bond, -CH₂-, or -CH(CH₃)-;

X is a bond;

20



- 25 Y is a bond, -CH₂-V-, -V-, or -V-CH₂-;

V is a bond, -C(=O)-, -O-, -S-, -S(=O)-, -S(=O)₂-, -NH-, or
 -N(CH₃)-,

- 30 Z is phenyl 2-F-phenyl, 3-F-phenyl, 4-F-phenyl, 2-Cl-phenyl,
 3-Cl-phenyl, 4-Cl-phenyl, 2,3-diF-phenyl,
 2,4-diF-phenyl, 2,5-diF-phenyl, 2,6-diF-phenyl,
 3,4-diF-phenyl, 3,5-diF-phenyl, 2,3-diCl-phenyl,
 2,4-diCl-phenyl, 2,5-diCl-phenyl, 2,6-diCl-phenyl,
 35 3,4-diCl-phenyl, 3,5-diCl-phenyl, 3-F-4-Cl-phenyl,

- 3-F-5-Cl-phenyl, 3-Cl-4-F-phenyl, 2-MeO-phenyl,
 3-MeO-phenyl, 4-MeO-phenyl, 2-Me-phenyl, 3-Me-phenyl,
 4-Me-phenyl, 2-MeS-phenyl, 3-MeS-phenyl, 4-MeS-phenyl,
 2-CF₃O-phenyl, 3-CF₃O-phenyl, 4-CF₃O-phenyl,
 5 furanyl, thienyl, pyridyl, 2-Me-pyridyl, 3-Me-
 pyridyl,
 4-Me-pyridyl, 1-imidazolyl, oxazolyl, isoxazolyl,
 1-benzimidazolyl, cyclopropyl, cyclobutyl, cyclopentyl,
 cyclohexyl, morpholino, N-piperinyl,
 10 phenyl-CH₂-, (2-F-phenyl)CH₂-, (3-F-phenyl)CH₂-,
 (4-F-phenyl)CH₂-, (2-Cl-phenyl)CH₂-, (3-Cl-phenyl)CH₂-,
 (4-Cl-phenyl)CH₂-, (2,3-diF-phenyl)CH₂-,
 (2,4-diF-phenyl)CH₂-, (2,5-diF-phenyl)CH₂-,
 (2,6-diF-phenyl)CH₂-, (3,4-diF-phenyl)CH₂-,
 15 (3,5-diF-phenyl)CH₂-, (2,3-diCl-phenyl)CH₂-,
 (2,4-diCl-phenyl)CH₂-, (2,5-diCl-phenyl)CH₂-,
 (2,6-diCl-phenyl)CH₂-, (3,4-diCl-phenyl)CH₂-,
 (3,5-diCl-phenyl)CH₂-, (3-F-4-Cl-phenyl)CH₂-,
 (3-F-5-Cl-phenyl)CH₂-, (3-Cl-4-F-phenyl)CH₂-,
 20 (2-MeO-phenyl)CH₂-, (3-MeO-phenyl)CH₂-,
 (4-MeO-phenyl)CH₂-, (2-Me-phenyl)CH₂-,
 (3-Me-phenyl)CH₂-, (4-Me-phenyl)CH₂-,
 (2-MeS-phenyl)CH₂-, (3-MeS-phenyl)CH₂-,
 4-MeS-phenyl)CH₂-, (2-CF₃O-phenyl)CH₂-,
 25 (3-CF₃O-phenyl)CH₂-, (4-CF₃O-phenyl)CH₂-,
 (furanyl)CH₂-, (thienyl)CH₂-, (pyridyl)CH₂-,
 (2-Me-pyridyl)CH₂-, (3-Me-pyridyl)CH₂-,
 (4-Me-pyridyl)CH₂-, (1-imidazolyl)CH₂-,
 (oxazolyl)CH₂-, (isoxazolyl)CH₂-,
 30 (1-benzimidazolyl)CH₂-, (cyclopropyl)CH₂-,
 (cyclobutyl)CH₂-, (cyclopentyl)CH₂-,
 (cyclohexyl)CH₂-, (morpholino)CH₂-, (N-pipridinyl)CH₂-,
 phenyl-CH₂CH₂-, (phenyl)₂CHCH₂-, (2-F-phenyl)CH₂CH₂-,
 35 (3-F-phenyl)CH₂CH₂-, (4-F-phenyl)CH₂CH₂-,
 (2-Cl-phenyl)CH₂CH₂-, (3-Cl-phenyl)CH₂CH₂-,
 (4-Cl-phenyl)CH₂CH₂-, (2,3-diF-phenyl)CH₂CH₂-,
 (2,4-diF-phenyl)CH₂CH₂-, (2,5-diF-phenyl)CH₂CH₂-,

(2,6-diF-phenyl)CH₂CH₂-, (3,4-diF-phenyl)CH₂CH₂-,
 (3,5-diF-phenyl)CH₂CH₂-, (2,3-diCl-phenyl)CH₂CH₂-,
 (2,4-diCl-phenyl)CH₂CH₂-, (2,5-diCl-phenyl)CH₂CH₂-,
 (2,6-diCl-phenyl)CH₂CH₂-, (3,4-diCl-phenyl)CH₂CH₂-,
 5 (3,5-diCl-phenyl)CH₂CH₂-, (3-F-4-Cl-phenyl)CH₂CH₂-,
 (3-F-5-Cl-phenyl)CH₂CH₂-, (3-Cl-4-F-phenyl)CH₂CH₂-,
 (2-MeO-phenyl)CH₂CH₂-, (3-MeO-phenyl)CH₂CH₂-,
 (4-MeO-phenyl)CH₂CH₂-, (2-Me-phenyl)CH₂CH₂-,
 (3-Me-phenyl)CH₂CH₂-, (4-Me-phenyl)CH₂CH₂-,
 10 (2-MeS-phenyl)CH₂CH₂-, (3-MeS-phenyl)CH₂CH₂-,
 (4-MeS-phenyl)CH₂CH₂-, (2-CF₃O-phenyl)CH₂CH₂-,
 (3-CF₃O-phenyl)CH₂CH₂-, (4-CF₃O-phenyl)CH₂CH₂-,
 (furanyl)CH₂CH₂-, (thienyl)CH₂CH₂-, (pyridyl)CH₂CH₂-
 ,
 15 (2-Me-pyridyl)CH₂CH₂-, (3-Me-pyridyl)CH₂CH₂-,
 (4-Me-pyridyl)CH₂CH₂-, (imidazolyl)CH₂CH₂-,
 (oxazolyl)CH₂CH₂-, (isoxazolyl)CH₂CH₂-,
 (benzimidazolyl)CH₂CH₂-, (cyclopropyl)CH₂CH₂-,
 (cyclobutyl)CH₂CH₂-, (cyclopentyl)CH₂CH₂-,
 20 (cyclohexyl)CH₂CH₂-, (morpholino)CH₂CH₂-,
 (N-pipridinyl)CH₂CH₂-,

B is a seven membered lactam,
 wherein the lactam is saturated, partially saturated or
 25 unsaturated;
 wherein each additional lactam carbon is substituted
 with 0-2 R¹¹; and,
 optionally, the lactam contains a heteroatom selected
 from -O-, -S-, -S(=O)-, -S(=O)₂-, and -N(R¹⁰)-;

30 R¹⁰ is H, methyl, ethyl, phenyl, benzyl, phenethyl, 4-F-
 phenyl, (4-F-phenyl)CH₂-, (4-F-phenyl)CH₂CH₂-, 4-Cl-
 phenyl, (4-Cl-phenyl)CH₂-, (4-Cl-phenyl)CH₂CH₂-, 4-CH₃-
 phenyl, (4-CH₃-phenyl)CH₂-, (4-CH₃-phenyl)CH₂CH₂-, 4-CF₃-
 35 phenyl, (4-CF₃-phenyl)CH₂-, or (4-CF₃-phenyl)CH₂CH₂-;

R¹¹, at each occurrence, is independently selected from H,
 =O, methyl, ethyl, phenyl, benzyl, phenethyl, 4-F-

phenyl, (4-F-phenyl)CH₂-, (4-F-phenyl)CH₂CH₂-, 4-Cl-phenyl, (4-Cl-phenyl)CH₂-, (4-Cl-phenyl)CH₂CH₂-, 4-CH₃-phenyl, (4-CH₃-phenyl)CH₂-, (4-CH₃-phenyl)CH₂CH₂-, 4-CF₃-phenyl, (4-CF₃-phenyl)CH₂-, or (4-CF₃-phenyl)CH₂CH₂-;

5 and

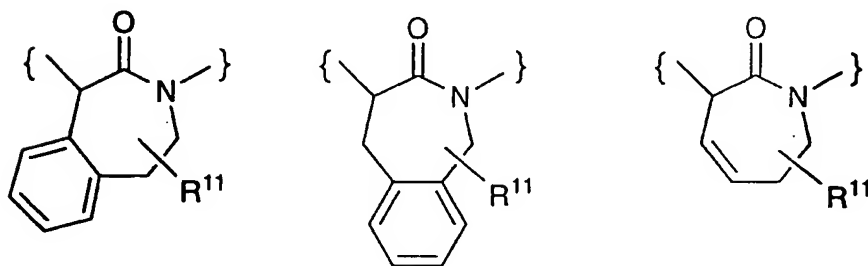
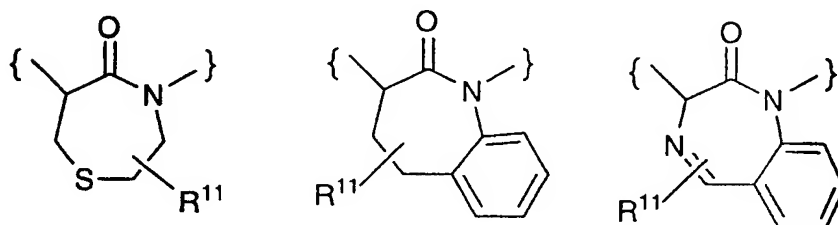
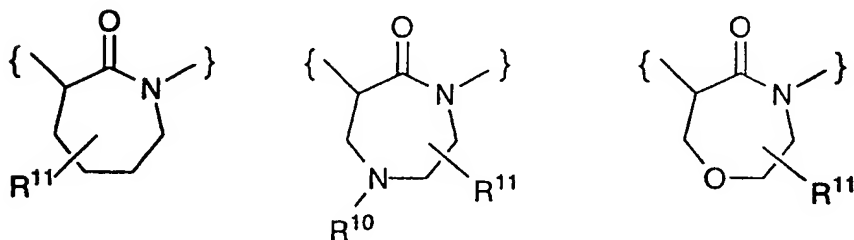
alternatively, two R¹¹ substituents on the same or adjacent carbon atoms may be combined to form a cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, or a benzo fused radical.

10

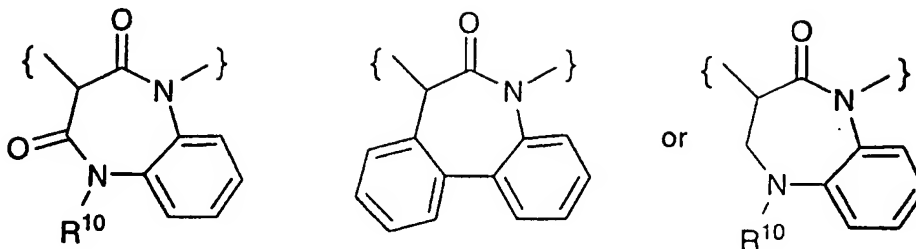
6. A compound of Claim 4 wherein:

B is

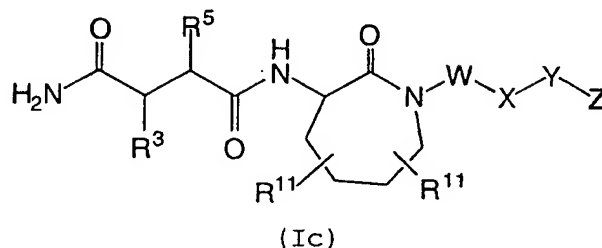
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7. A compound of Claim 4 of Formula (Ic) wherein:



or a pharmaceutically acceptable salt or prodrug thereof,
wherein:

R³ is R⁴,

R⁴ is C₁-C₄ alkyl substituted with 0-2 R^{4a},
C₂-C₄ alkenyl substituted with 0-2 R^{4a},
C₂-C₄ alkynyl substituted with 0-2 R^{4a},

R^{4a}, at each occurrence, is independently selected from is H,
F, CF₃,

C₃-C₆ cycloalkyl substituted with 0-3 R^{4b},
phenyl substituted with 0-3 R^{4b}, or
5 to 6 membered heterocycle substituted with 0-3 R^{4b};

R^{4b}, at each occurrence, is independently selected from H,
OH, Cl, F, NR¹⁵R¹⁶, CF₃, acetyl, SCH₃, S(=O)CH₃,
S(=O)₂CH₃, methyl, ethyl, propyl, butyl, methoxy,
ethoxy, propoxy, C₁-C₂ haloalkyl, and C₁-C₂ haloalkoxy;

R⁵ is C₁-C₄ alkyl substituted with 0-3 R^{5b};
C₂-C₄ alkenyl substituted with 0-2 R^{5b}; or

C₂-C₄ alkynyl substituted with 0-2 R^{5b};

R^{5b}, at each occurrence, is independently selected from:

H, methyl, ethyl, propyl, butyl, CF₃, OR¹⁴, =O;

5 C₃-C₆ cycloalkyl substituted with 0-2 R^{5c};

phenyl substituted with 0-3 R^{5c}; or

5 to 6 membered heterocycle substituted with 0-2 R^{5c};

R^{5c}, at each occurrence, is independently selected from H,

10 OH, Cl, F, NR¹⁵R¹⁶, CF₃, acetyl, SCH₃, S(=O)CH₃,

S(=O)₂CH₃, methyl, ethyl, propyl, butyl, methoxy,

ethoxy, propoxy, C₁-C₂ haloalkyl, and C₁-C₂ haloalkoxy;

W is -CH₂-, or -CH(CH₃)-;

15

X is a bond;

phenyl substituted with 0-2 R^{Xb};

C₃-C₆ cycloalkyl substituted with 0-2 R^{Xb}; or

5 to 6 membered heterocycle substituted with 0-2 R^{Xb};

20

R^{Xb}, at each occurrence, is independently selected from H,

OH, Cl, F, NR¹⁵R¹⁶, CF₃, acetyl, SCH₃, S(=O)CH₃,

S(=O)₂CH₃, methyl, ethyl, propyl, butyl, methoxy,

ethoxy, propoxy, C₁-C₂ haloalkyl, and C₁-C₂ haloalkoxy;

25

Y is a bond, -CH₂-V-, -V-, or -V-CH₂-;

V is a bond, -C(=O)-, -O-, -S-, -S(=O)-, -S(=O)₂-, -NH-,
-N(CH₃)-, or -N(CH₂CH₃)-,

30

Z is C₁-C₂ alkyl substituted with 1-2 R¹²;

C₆-C₁₀ aryl substituted with 0-4 R^{12b};

C₃-C₆ carbocycle substituted with 0-3 R^{12b}; or

5 to 10 membered heterocycle substituted with 0-3 R^{12b};

35

R¹² is C₆-C₁₀ aryl substituted with 0-4 R^{12b};

C₃-C₆ carbocycle substituted with 0-3 R^{12b}; or

5 to 10 membered heterocycle substituted with 0-3 R^{12b};

R^{12b}, at each occurrence, is independently selected from H,
OH, Cl, F, NR¹⁵R¹⁶, CF₃, acetyl, SCH₃, S(=O)CH₃,
S(=O)₂CH₃, methyl, ethyl, propyl, butyl, methoxy,
5 ethoxy, propoxy, C₁-C₂ haloalkyl, and C₁-C₂ haloalkoxy;

R¹¹ is methoxy, ethoxy, propoxy, butoxy, Cl, F, =O, NR¹⁸R¹⁹,
CF₃;
C₁-C₄ alkyl substituted with 0-1 R^{11a};
10 phenyl substituted with 0-3 R^{11b};
C₃-C₆ carbocycle substituted with 0-3 R^{11b}; or
5 to 6 membered heterocycle substituted with 0-3 R^{11b};

alternatively, two R¹¹ substituents on the same or adjacent
15 carbon atoms may be combined to form a cyclopropyl,
cyclobutyl, cyclopentyl, cyclohexyl, or a benzo fused
radical;

R^{11a}, at each occurrence, is independently selected from H,
20 C₁-C₄ alkyl, OR¹⁴, F, =O, NR¹⁵R¹⁶, CF₃, or phenyl
substituted with 0-3 R^{11b};

R^{11b}, at each occurrence, is independently selected from H,
OH, Cl, F, NR¹⁵R¹⁶, CF₃, methyl, ethyl, propyl, butyl,
25 methoxy, ethoxy, propoxy, C₁-C₂ haloalkyl, and C₁-C₂
haloalkoxy;

R¹⁴ is H, phenyl, benzyl, methyl, ethyl, propyl, butyl;

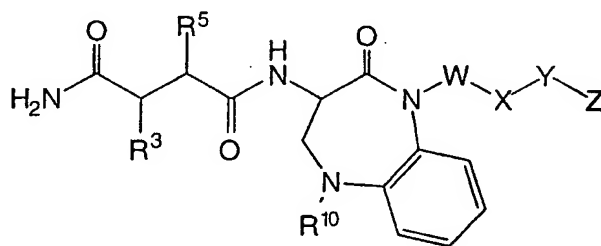
30 R¹⁵, at each occurrence, is independently selected from H,
methyl, ethyl, propyl, and butyl;

R¹⁶, at each occurrence, is independently selected from H,
OH, C₁-C₄ alkyl, benzyl, phenethyl, -C(=O)-(C₁-C₄ alkyl)
35 and -S(=O)₂-(C₁-C₄ alkyl);

R^{18} , at each occurrence, is independently selected from H, methyl, ethyl, propyl, butyl, phenyl, benzyl, and phenethyl; and

5 R^{19} , at each occurrence, is independently selected from H, methyl, and ethyl.

8. A compound of Claim 4 of Formula (Id) wherein:



(Id)

or a pharmaceutically acceptable salt or prodrug thereof,
wherein:

15

R^3 is R^4 ,

R^4 is C_1 - C_4 alkyl substituted with 0-2 R^{4a} ,
 C_2 - C_4 alkenyl substituted with 0-2 R^{4a} ,
20 C_2 - C_4 alkynyl substituted with 0-2 R^{4a} ,

R^{4a} , at each occurrence, is independently selected from is H,
F, CF_3 ,
 C_3 - C_6 cycloalkyl substituted with 0-3 R^{4b} ,
25 phenyl substituted with 0-3 R^{4b} , or
5 to 6 membered heterocycle substituted with 0-3 R^{4b} ;

R^{4b} , at each occurrence, is independently selected from H,
OH, Cl, F, $NR^{15}R^{16}$, CF_3 , acetyl, SCH_3 , $S(=O)CH_3$,
30 $S(=O)_2CH_3$, methyl, ethyl, propyl, butyl, methoxy,
ethoxy, propoxy, C_1 - C_2 haloalkyl, and C_1 - C_2 haloalkoxy;

R^5 is C_1 - C_4 alkyl substituted with 0-3 R^{5b} ;

C₂-C₄ alkenyl substituted with 0-2 R^{5b}; or
C₂-C₄ alkynyl substituted with 0-2 R^{5b};

R^{5b}, at each occurrence, is independently selected from:

- 5 H, methyl, ethyl, propyl, butyl, CF₃, OR¹⁴, =O;
C₃-C₆ cycloalkyl substituted with 0-2 R^{5c};
phenyl substituted with 0-3 R^{5c}; or
5 to 6 membered heterocycle substituted with 0-2 R^{5c};

- 10 R^{5c}, at each occurrence, is independently selected from H,
OH, Cl, F, NR¹⁵R¹⁶, CF₃, acetyl, SCH₃, S(=O)CH₃,
S(=O)₂CH₃, methyl, ethyl, propyl, butyl, methoxy,
ethoxy, propoxy, C₁-C₂ haloalkyl, and C₁-C₂ haloalkoxy;

- 15 W is -CH₂- or -CH(CH₃)-;

X is a bond;

- phenyl substituted with 0-2 R^{Xb};
C₃-C₆ cycloalkyl substituted with 0-2 R^{Xb}; or
20 5 to 6 membered heterocycle substituted with 0-2 R^{Xb};

- R^{Xb}, at each occurrence, is independently selected from H,
OH, Cl, F, NR¹⁵R¹⁶, CF₃, acetyl, SCH₃, S(=O)CH₃,
S(=O)₂CH₃, methyl, ethyl, propyl, butyl, methoxy,
25 ethoxy, propoxy, C₁-C₂ haloalkyl, and C₁-C₂ haloalkoxy;

Y is a bond, -CH₂-V-, -V-, or -V-CH₂-;

- V is a bond, -C(=O)-, -O-, -S-, -S(=O)-, -S(=O)₂-, -NH-,
30 -N(CH₃)-, or -N(CH₂CH₃)-,

- Z is C₁-C₂ alkyl substituted with 1-2 R¹²;
C₆-C₁₀ aryl substituted with 0-4 R^{12b};
C₃-C₆ carbocycle substituted with 0-3 R^{12b}; or
35 5 to 10 membered heterocycle substituted with 0-3 R^{12b};

R¹² is C₆-C₁₀ aryl substituted with 0-4 R^{12b};
C₃-C₆ carbocycle substituted with 0-3 R^{12b}; or

5 to 10 membered heterocycle substituted with 0-3 R^{12b};

R^{12b}, at each occurrence, is independently selected from H,
OH, Cl, F, NR¹⁵R¹⁶, CF₃, acetyl, SCH₃, S(=O)CH₃,
5 S(=O)₂CH₃, methyl, ethyl, propyl, butyl, methoxy,
ethoxy, propoxy, C₁-C₂ haloalkyl, and C₁-C₂ haloalkoxy;

R¹⁰ is H, C(=O)R¹⁷, C(=O)OR¹⁷;
C₁-C₄ alkyl substituted with 0-1 R^{10a};
10 phenyl substituted with 0-4 R^{10b};
C₃-C₆ carbocycle substituted with 0-3 R^{10b}; or
5 to 6 membered heterocycle optionally substituted with
0-3 R^{10b};

15 R^{10a}, at each occurrence, is independently selected from H,
C₁-C₄ alkyl, OR¹⁴, Cl, F, Br, I, =O, CN, NO₂, NR¹⁵R¹⁶,
CF₃, or phenyl substituted with 0-4 R^{10b};

R^{10b}, at each occurrence, is independently selected from H,
20 OH, methyl, ethyl, propyl, butyl, methoxy, ethoxy,
propoxy, Cl, F, Br, I, CN, NO₂, NR¹⁵R¹⁶, or CF₃;

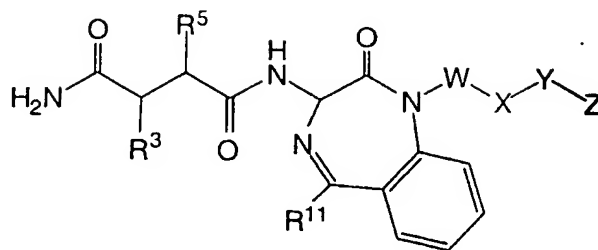
R¹⁴ is H, phenyl, benzyl, methyl, ethyl, propyl, butyl;

25 R¹⁵, at each occurrence, is independently selected from H,
methyl, ethyl, propyl, and butyl;

R¹⁶, at each occurrence, is independently selected from H,
OH, C₁-C₄ alkyl, benzyl, phenethyl, -C(=O)-(C₁-C₄ alkyl)
30 and -S(=O)₂-(C₁-C₄ alkyl); and

R¹⁷ is H, phenyl, 4-fluorophenyl, 4-chlorophenyl, 4-
methylphenyl, 4-trifluorophenyl, (4-fluorophenyl)methyl,
(4-chlorophenyl)methyl, (4-methylphenyl)methyl, (4-
35 trifluorophenyl)methyl, methyl, ethyl, propyl, butyl,
methoxymethyl, methoxyethyl, ethoxymethyl, or
ethoxyethyl.

9. A compound of Claim 4 of Formula (Ie) wherein:



(Ie)

5

or a pharmaceutically acceptable salt or prodrug thereof,
wherein:

R³ is R⁴,

10

R⁴ is C₁-C₄ alkyl substituted with 0-2 R^{4a},
C₂-C₄ alkenyl substituted with 0-2 R^{4a},
C₂-C₄ alkynyl substituted with 0-2 R^{4a},

15 R^{4a}, at each occurrence, is independently selected from is H,
F, CF₃,
C₃-C₆ cycloalkyl substituted with 0-3 R^{4b},
phenyl substituted with 0-3 R^{4b}, or
5 to 6 membered heterocycle substituted with 0-3 R^{4b};

20

R^{4b}, at each occurrence, is independently selected from H,
OH, Cl, F, NR¹⁵R¹⁶, CF₃, acetyl, SCH₃, S(=O)CH₃,
S(=O)₂CH₃, methyl, ethyl, propyl, butyl, methoxy,
ethoxy, propoxy, C₁-C₂ haloalkyl, and C₁-C₂ haloalkoxy;

25

R⁵ is C₁-C₄ alkyl substituted with 0-3 R^{5b},
C₂-C₄ alkenyl substituted with 0-2 R^{5b}; or
C₂-C₄ alkynyl substituted with 0-2 R^{5b};

30 R^{5b}, at each occurrence, is independently selected from:
H, methyl, ethyl, propyl, butyl, CF₃, OR¹⁴, =O;
C₃-C₆ cycloalkyl substituted with 0-2 R^{5c};
phenyl substituted with 0-3 R^{5c}; or

5 to 6 membered heterocycle substituted with 0-2 R^{5c};

- R^{5c}, at each occurrence, is independently selected from H,
OH, Cl, F, NR¹⁵R¹⁶, CF₃, acetyl, SCH₃, S(=O)CH₃,
5 S(=O)₂CH₃, methyl, ethyl, propyl, butyl, methoxy,
ethoxy, propoxy, C₁-C₂ haloalkyl, and C₁-C₂ haloalkoxy;

W is -CH₂- or -CH(CH₃)-;

- 10 X is a bond;
phenyl substituted with 0-2 R^{Xb};
C₃-C₆ cycloalkyl substituted with 0-2 R^{Xb}; or
5 to 6 membered heterocycle substituted with 0-2 R^{Xb};

- 15 R^{Xb}, at each occurrence, is independently selected from H,
OH, Cl, F, NR¹⁵R¹⁶, CF₃, acetyl, SCH₃, S(=O)CH₃,
S(=O)₂CH₃, methyl, ethyl, propyl, butyl, methoxy,
ethoxy, propoxy, C₁-C₂ haloalkyl, and C₁-C₂ haloalkoxy;

- 20 Y is a bond, -CH₂-V-, -V-, or -V-CH₂-;

V is a bond, -C(=O)-, -O-, -S-, -S(=O)-, -S(=O)₂-, -NH-,
-N(CH₃)-, or -N(CH₂CH₃)-,

- 25 Z is C₁-C₂ alkyl substituted with 1-2 R¹²;
C₆-C₁₀ aryl substituted with 0-4 R^{12b};
C₃-C₆ carbocycle substituted with 0-3 R^{12b}; or
5 to 10 membered heterocycle substituted with 0-3 R^{12b};

- 30 R¹² is C₆-C₁₀ aryl substituted with 0-4 R^{12b};
C₃-C₆ carbocycle substituted with 0-3 R^{12b}; or
5 to 10 membered heterocycle substituted with 0-3 R^{12b};

- R^{12b}, at each occurrence, is independently selected from H,
35 OH, Cl, F, NR¹⁵R¹⁶, CF₃, acetyl, SCH₃, S(=O)CH₃,
S(=O)₂CH₃, methyl, ethyl, propyl, butyl, methoxy,
ethoxy, propoxy, C₁-C₂ haloalkyl, and C₁-C₂ haloalkoxy;

R¹¹ is methoxy, ethoxy, propoxy, butoxy, Cl, F, =O, NR¹⁸R¹⁹, CF₃;

C₁-C₄ alkyl substituted with 0-1 R^{11a};

phenyl substituted with 0-3 R^{11b};

5 C₃-C₆ carbocycle substituted with 0-3 R^{11b}; or

5 to 6 membered heterocycle substituted with 0-3 R^{11b};

R^{11a}, at each occurrence, is independently selected from H, C₁-C₄ alkyl, OR¹⁴, F, =O, NR¹⁵R¹⁶, CF₃, or phenyl

10 substituted with 0-3 R^{11b};

R^{11b}, at each occurrence, is independently selected from H, OH, Cl, F, NR¹⁵R¹⁶, CF₃, methyl, ethyl, propyl, butyl, methoxy, ethoxy, propoxy, C₁-C₂ haloalkyl, and C₁-C₂

15 haloalkoxy;

R¹⁴ is H, phenyl, benzyl, methyl, ethyl, propyl, butyl;

R¹⁵, at each occurrence, is independently selected from H, methyl, ethyl, propyl, and butyl;

20

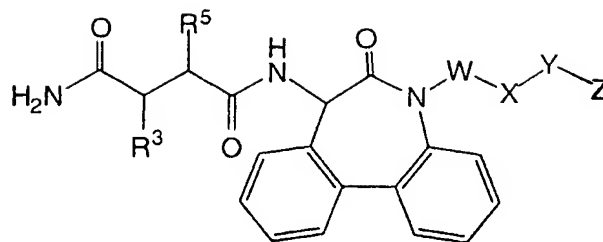
R¹⁶, at each occurrence, is independently selected from H, OH, C₁-C₄ alkyl, benzyl, phenethyl, -C(=O)-(C₁-C₄ alkyl) and -S(=O)₂-(C₁-C₄ alkyl);

25

R¹⁸, at each occurrence, is independently selected from H, methyl, ethyl, propyl, butyl, phenyl, benzyl, and phenethyl; and

30 R¹⁹, at each occurrence, is independently selected from H, methyl, and ethyl.

10. A compound of Claim 4 of Formula (If) wherein:



(If)

or a pharmaceutically acceptable salt or prodrug thereof,

5 wherein:

R^3 is R^4 ,

R^4 is C_1 - C_4 alkyl substituted with 0-2 R^{4a} ,

10 C_2 - C_4 alkenyl substituted with 0-2 R^{4a} ,

C_2 - C_4 alkynyl substituted with 0-2 R^{4a} ,

R^{4a} , at each occurrence, is independently selected from is H,
F, CF_3 ;

15 C_3 - C_6 cycloalkyl substituted with 0-3 R^{4b} ,

phenyl substituted with 0-3 R^{4b} , or

5 to 6 membered heterocycle substituted with 0-3 R^{4b} ;

R^{4b} , at each occurrence, is independently selected from H,

20 OH, Cl, F, $NR^{15}R^{16}$, CF_3 , acetyl, SCH_3 , $S(=O)CH_3$,

$S(=O)_2CH_3$, methyl, ethyl, propyl, butyl, methoxy,

ethoxy, propoxy, C_1 - C_2 haloalkyl, and C_1 - C_2 haloalkoxy;

R^5 is C_1 - C_4 alkyl substituted with 0-3 R^{5b} ;

25 C_2 - C_4 alkenyl substituted with 0-2 R^{5b} ; or

C_2 - C_4 alkynyl substituted with 0-2 R^{5b} ;

R^{5b} , at each occurrence, is independently selected from:

H, methyl, ethyl, propyl, butyl, CF_3 , OR^{14} , =O;

30 C_3 - C_6 cycloalkyl substituted with 0-2 R^{5c} ;

phenyl substituted with 0-3 R^{5c} ; or

5 to 6 membered heterocycle substituted with 0-2 R^{5c} ;

R^{5c}, at each occurrence, is independently selected from H,
OH, Cl, F, NR¹⁵R¹⁶, CF₃, acetyl, SCH₃, S(=O)CH₃,
S(=O)₂CH₃, methyl, ethyl, propyl, butyl, methoxy,
ethoxy, propoxy, C₁-C₂ haloalkyl, and C₁-C₂ haloalkoxy;

5

W is -CH₂- or -CH(CH₃)-;

X is a bond;

phenyl substituted with 0-2 R^{Xb};

10 C₃-C₆ cycloalkyl substituted with 0-2 R^{Xb}; or

5 to 6 membered heterocycle substituted with 0-2 R^{Xb};

R^{Xb}, at each occurrence, is independently selected from H,
OH, Cl, F, NR¹⁵R¹⁶, CF₃, acetyl, SCH₃, S(=O)CH₃,

15 S(=O)₂CH₃, methyl, ethyl, propyl, butyl, methoxy,
ethoxy, propoxy, C₁-C₂ haloalkyl, and C₁-C₂ haloalkoxy;

Y is a bond, -CH₂-V-, -V-, or -V-CH₂-;

20 V is a bond, -C(=O)-, -O-, -S-, -S(=O)-, -S(=O)₂-, -NH-,
-N(CH₃)-, or -N(CH₂CH₃)-;

Z is C₁-C₂ alkyl substituted with 1-2 R¹²;

C₆-C₁₀ aryl substituted with 0-4 R^{12b};

25 C₃-C₆ carbocycle substituted with 0-3 R^{12b}; or

5 to 10 membered heterocycle substituted with 0-3 R^{12b};

R¹² is C₆-C₁₀ aryl substituted with 0-4 R^{12b};

C₃-C₆ carbocyclesubstituted with 0-3 R^{12b}; or

30 5 to 10 membered heterocycle substituted with 0-3 R^{12b};

R^{12b}, at each occurrence, is independently selected from H,
OH, Cl, F, NR¹⁵R¹⁶, CF₃, acetyl, SCH₃, S(=O)CH₃,

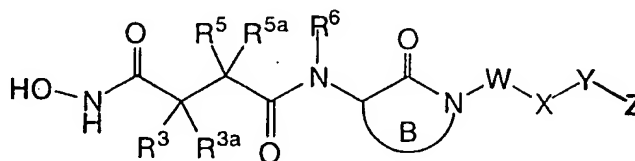
35 S(=O)₂CH₃, methyl, ethyl, propyl, butyl, methoxy,
ethoxy, propoxy, C₁-C₂ haloalkyl, and C₁-C₂ haloalkoxy;

R¹⁴ is H, phenyl, benzyl, methyl, ethyl, propyl, butyl;

R¹⁵, at each occurrence, is independently selected from H, methyl, ethyl, propyl, and butyl; and

R¹⁶, at each occurrence, is independently selected from H, OH, C₁-C₄ alkyl, benzyl, phenethyl, -C(=O)-(C₁-C₄ alkyl) and -S(=O)₂-(C₁-C₄ alkyl).

11. A compound of Claim 2 of Formula (IIa)



(IIa)

or a pharmaceutically acceptable salt or prodrug thereof, wherein:

R³ is -(CR⁷R^{7a})_n-R⁴,
 -(CR⁷R^{7a})_n-S-(CR⁷R^{7a})_m-R⁴,
 -(CR⁷R^{7a})_n-O-(CR⁷R^{7a})_m-R⁴, or
 -(CR⁷R^{7a})_n-N(R^{7b})-(CR⁷R^{7a})_m-R⁴;

n is 0, 1, or 2;

m is 0, 1, or 2;

R^{3a} is H, OH, methyl, ethyl, propyl, butyl, methoxy, ethoxy, propoxy, or butoxy;

R⁴ is H, OH, OR^{14a},

C₁-C₄ alkyl substituted with 0-2 R^{4a},

C₂-C₄ alkenyl substituted with 0-2 R^{4a},

C₂-C₄ alkynyl substituted with 0-2 R^{4a},

C₃-C₆ cycloalkyl substituted with 0-3 R^{4b},

C₆-C₁₀ aryl substituted with 0-3 R^{4b}, or

5 to 10 membered heterocycle substituted with 0-3 R^{4b};

- R^{4a}, at each occurrence, is independently selected from is H,
F, Cl, Br, I CF₃,
C₃-C₁₀ carbocycle substituted with 0-3 R^{4b},
C₆-C₁₀ aryl substituted with 0-3 R^{4b}, or
5 5 to 10 membered heterocycle substituted with 0-3 R^{4b};
- R^{4b}, at each occurrence, is independently selected from H,
OH, Cl, F, Br, I, CN, NO₂, NR¹⁵R¹⁶, CF₃, acetyl, SCH₃,
S(=O)CH₃, S(=O)₂CH₃, C₁-C₆ alkyl, C₁-C₄ alkoxy, C₁-C₄
10 haloalkyl, and C₁-C₄ haloalkoxy;
- R⁵ is H, OR¹⁴;
C₁-C₆ alkyl substituted with 0-3 R^{5b};
C₂-C₆ alkenyl substituted with 0-3 R^{5b};
15 C₂-C₆ alkynyl substituted with 0-3 R^{5b};
C₃-C₁₀ carbocycle substituted with 0-3 R^{5c};
C₆-C₁₀ aryl substituted with 0-3 R^{5c}; or
5 to 10 membered heterocycle substituted with 0-3R^{5c};
- 20 R^{5a} is H, OH, C₁-C₄ alkyl, C₁-C₄ alkoxy, C₂-C₄ alkenyl, or C₂-
C₄ alkenyloxy;
- R^{5b}, at each occurrence, is independently selected from:
H, C₁-C₆ alkyl, CF₃, OR¹⁴, Cl, F, Br, I, =O, CN, NO₂,
25 NR¹⁵R¹⁶;
C₃-C₁₀ carbocycle substituted with 0-3 R^{5c};
C₆-C₁₀ aryl substituted with 0-3 R^{5c}; or
5 to 10 membered heterocycle substituted with 0-3 R^{5c};
- 30 R^{5c}, at each occurrence, is independently selected from H,
OH, Cl, F, Br, I, CN, NO₂, NR¹⁵R¹⁶, CF₃, acetyl, SCH₃,
S(=O)CH₃, S(=O)₂CH₃, C₁-C₆ alkyl, C₁-C₄ alkoxy, C₁-C₄
haloalkyl, and C₁-C₄ haloalkoxy;
- 35 R⁶ is H, methyl, or ethyl;
- R⁷, at each occurrence, is independently selected from H, OH,
Cl, F, Br, I, CN, NO₂, CF₃, and C₁-C₄ alkyl;

R^{7a}, at each occurrence, is independently selected from H, OH, Cl, F, Br, I, CN, NO₂, CF₃, phenyl and C₁-C₄ alkyl;

5 R^{7b} is independently selected from H, methyl, ethyl, propyl, and butyl;

W is -(CR⁸R^{8a})_p-;

10 p is 0, 1, or 2;

R⁸ and R^{8a}, at each occurrence, are independently selected from H, F, C₁-C₃ alkyl, C₂-C₃ alkenyl, C₂-C₃ alkynyl and C₃-C₆ cycloalkyl;

15

X is a bond;

C₆-C₁₀ aryl substituted with 0-3 R^{Xb};

C₃-C₁₀ carbocycle substituted with 0-2 R^{Xb}; or

5 to 10 membered heterocycle substituted with 0-2 R^{Xb};

20

R^{Xb}, at each occurrence, is independently selected from H, OH, Cl, F, Br, I, CN, NO₂, NR¹⁵R¹⁶, CF₃, acetyl, SCH₃, S(=O)CH₃, S(=O)₂CH₃, C₁-C₆ alkyl, C₁-C₄ alkoxy, C₁-C₄ haloalkyl, and C₁-C₄ haloalkoxy;

25

Y is a bond or -(CR⁹R^{9a})_t-V-(CR⁹R^{9a})_u-;

t is 0, 1, or 2;

30 u is 0, 1, or 2;

R⁹ and R^{9a}, at each occurrence, are independently selected from H, F, C₁-C₄ alkyl or C₃-C₆ cycloalkyl;

35 V is a bond, -C(=O)-, -O-, -S-, -S(=O)-, -S(=O)₂-, -N(R¹⁹)-, -C(=O)NR^{19b}-, -NR^{19b}C(=O)-, -NR^{19b}S(=O)₂-, -S(=O)₂NR^{19b}-, -NR^{19b}S(=O)-, or -S(=O)NR^{19b}-;

- Z is C₁-C₃ alkyl substituted with 1-2 R¹²;
C₆-C₁₀ aryl substituted with 0-4 R^{12b};
C₃-C₁₀ carbocycle substituted with 0-4 R^{12b}; or
5 to 10 membered heterocycle substituted with 0-3 R^{12b};
- 5 R¹² is C₆-C₁₀ aryl substituted with 0-4 R^{12b};
C₃-C₁₀ carbocycle substituted with 0-4 R^{12b}; or
5 to 10 membered heterocycle substituted with 0-3 R^{12b};
- 10 R^{12b}, at each occurrence, is independently selected from H,
OH, Cl, F, Br, I, CN, NO₂, NR¹⁵R¹⁶, CF₃, acetyl, SCH₃,
S(=O)CH₃, S(=O)₂CH₃, C₁-C₆ alkyl, C₁-C₄ alkoxy, C₁-C₄
haloalkyl, and C₁-C₄ haloalkoxy;
- 15 B is a seven membered lactam,
wherein the lactam is saturated, partially saturated or
unsaturated;
wherein each additional lactam carbon is substituted
with 0-2 R¹¹; and,
- 20 optionally, the lactam contains a heteroatom selected
from -O-, -S-, -S(=O)-, -S(=O)₂-, and -N(R¹⁰)-;
- R¹⁰ is H, C(=O)R¹⁷, C(=O)OR¹⁷, C(=O)NR¹⁸R¹⁹, S(=O)₂NR¹⁸R¹⁹,
S(=O)₂R¹⁷;
- 25 C₁-C₆ alkyl substituted with 0-1 R^{10a};
C₆-C₁₀ aryl substituted with 0-4 R^{10b};
C₃-C₁₀ carbocycle substituted with 0-3 R^{10b}; or
5 to 10 membered heterocycle optionally substituted with
0-3 R^{10b};
- 30 R^{10a}, at each occurrence, is independently selected from H,
C₁-C₆ alkyl, OR¹⁴, Cl, F, Br, I, =O, CN, NO₂, NR¹⁵R¹⁶,
CF₃, or phenyl substituted with 0-4 R^{10b};
- 35 R^{10b}, at each occurrence, is independently selected from H,
OH, C₁-C₆ alkyl, C₁-C₄ alkoxy, Cl, F, Br, I, CN, NO₂,
NR¹⁵R¹⁶, or CF₃;

R¹¹, at each occurrence, is independently selected from
C₁-C₄ alkoxy, Cl, F, =O, NR¹⁸R¹⁹, C(=O)R¹⁷, C(=O)OR¹⁷,
C(=O)NR¹⁸R¹⁹, S(=O)₂NR¹⁸R¹⁹, CF₃;
C₁-C₆ alkyl substituted with 0-1 R^{11a};
5 C₆-C₁₀ aryl substituted with 0-3 R^{11b};
C₃-C₁₀ carbocycle substituted with 0-3 R^{11b}; or
5 to 10 membered heterocycle substituted with 0-3 R^{11b};

alternatively, two R¹¹ substituents on the same or adjacent
10 carbon atoms may be combined to form a C₃-C₆ carbocycle
or a benzo fused radical;

R^{11a}, at each occurrence, is independently selected from H,
C₁-C₆ alkyl, OR¹⁴, Cl, F, Br, I, =O, CN, NO₂, NR¹⁵R¹⁶,
15 CF₃, or phenyl substituted with 0-3 R^{11b};

R^{11b}, at each occurrence, is independently selected from H,
OH, Cl, F, Br, I, CN, NO₂, NR¹⁵R¹⁶, CF₃, C₁-C₆ alkyl,
C₁-C₄ alkoxy, C₁-C₄ haloalkyl, and C₁-C₄ haloalkoxy;
20

R¹⁴ is H, phenyl, benzyl, C₁-C₆ alkyl, or C₂-C₆ alkoxyalkyl;

R¹⁵, at each occurrence, is independently selected from H,
C₁-C₆ alkyl, benzyl, phenethyl, -C(=O)-(C₁-C₆ alkyl) and
25 -S(=O)₂-(C₁-C₆ alkyl);

R¹⁶, at each occurrence, is independently selected from H,
OH, C₁-C₆ alkyl, benzyl, phenethyl, -C(=O)-(C₁-C₆ alkyl)
and -S(=O)₂-(C₁-C₆ alkyl);
30

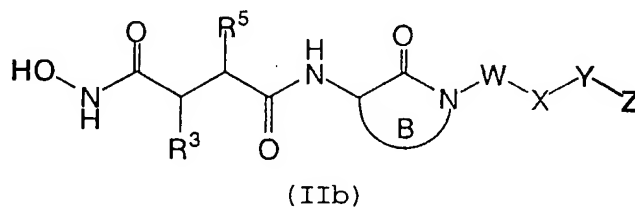
R¹⁷ is H, aryl, (aryl)CH₂-, C₁-C₆ alkyl, or C₂-C₆ alkoxyalkyl;

R¹⁸, at each occurrence, is independently selected from H,
C₁-C₆ alkyl, benzyl, phenethyl, -C(=O)-(C₁-C₆ alkyl) and
35 -S(=O)₂-(C₁-C₆ alkyl); and

R¹⁹, at each occurrence, is independently selected from H, OH, C₁-C₆ alkyl, phenyl, benzyl, phenethyl, -C(=O)-(C₁-C₆ alkyl) and -S(=O)₂-(C₁-C₆ alkyl); and

5 R^{19b} is H, C₁-C₆ alkyl, C₃-C₈ cycloalkyl, phenyl, benzyl or phenethyl.

12. A compound of Claim 11 of Formula (IIb) wherein:



or a pharmaceutically acceptable salt or prodrug thereof,
wherein:

15

R³ is R⁴,

n is 0 or 1;

20 m is 0 or 1;

R⁴ is H, OH,

C₁-C₄ alkyl substituted with 0-2 R^{4a},

C₂-C₄ alkenyl substituted with 0-2 R^{4a},

25 C₂-C₄ alkynyl substituted with 0-1 R^{4a},

C₃-C₆ cycloalkyl substituted with 0-3 R^{4b},

C₆-C₁₀ aryl substituted with 0-3 R^{4b}, or

5 to 10 membered heterocycle substituted with 0-3 R^{4b};

30 R^{4a}, at each occurrence, is independently selected from is H, F, Cl, CF₃,

C₃-C₆ cycloalkyl substituted with 0-3 R^{4b},

phenyl substituted with 0-3 R^{4b}, or

5 to 6 membered heterocycle substituted with 0-3 R^{4b};

35

R^{4b}, at each occurrence, is independently selected from H, OH, Cl, F, Br, I, CN, NO₂, NR¹⁵R¹⁶, CF₃, acetyl, SCH₃, S(=O)CH₃, S(=O)₂CH₃, C₁-C₄ alkyl, C₁-C₃ alkoxy, C₁-C₂ haloalkyl, and C₁-C₂ haloalkoxy;

5

R⁵ is H, OR¹⁴;

C₁-C₄ alkyl substituted with 0-3 R^{5b};

C₂-C₄ alkenyl substituted with 0-2 R^{5b}; or

C₂-C₄ alkynyl substituted with 0-2 R^{5b};

10

R^{5b}, at each occurrence, is independently selected from:

H, methyl, ethyl, propyl, butyl, CF₃, OR¹⁴, =O;

C₃-C₆ cycloalkyl substituted with 0-2 R^{5c};

phenyl substituted with 0-3 R^{5c}; or

15

5 to 6 membered heterocycle substituted with 0-2 R^{5c};

R^{5c}, at each occurrence, is independently selected from H, OH, Cl, F, Br, I, CN, NO₂, NR¹⁵R¹⁶, CF₃, acetyl, SCH₃, S(=O)CH₃, S(=O)₂CH₃, C₁-C₄ alkyl, C₁-C₃ alkoxy, C₁-C₂ haloalkyl, and C₁-C₂ haloalkoxy;

20

W is a bond, -CH₂-, -CH(CH₃)-, -CH₂CH₂- or -CH(CH₃)CH₂-;

X is a bond;

25

phenyl substituted with 0-2 R^{Xb};

C₃-C₆ cycloalkyl substituted with 0-2 R^{Xb}; or

5 to 6 membered heterocycle substituted with 0-2 R^{Xb};

R^{Xb}, at each occurrence, is independently selected from H, OH, Cl, F, NR¹⁵R¹⁶, CF₃, acetyl, SCH₃, S(=O)CH₃, S(=O)₂CH₃, C₁-C₄ alkyl, C₁-C₃ alkoxy, C₁-C₂ haloalkyl, and C₁-C₂ haloalkoxy;

30

Y is a bond, -CH₂-V-, -V-, or -V-CH₂-;

35

V is a bond, -C(=O)-, -O-, -S-, -S(=O)-, -S(=O)₂-, -NH-, -N(CH₃)-, or -N(CH₂CH₃)-,

Z is C₁-C₂ alkyl substituted with 1-2 R¹²;
C₆-C₁₀ aryl substituted with 0-4 R^{12b};
C₃-C₆ carbocycle substituted with 0-3 R^{12b}; or
5 to 10 membered heterocycle substituted with 0-3 R^{12b};

5

R¹² is C₆-C₁₀ aryl substituted with 0-4 R^{12b};
C₃-C₆ carbocycle substituted with 0-3 R^{12b}; or
5 to 10 membered heterocycle substituted with 0-3 R^{12b};

10 R^{12b}, at each occurrence, is independently selected from H,
OH, Cl, F, NR¹⁵R¹⁶, CF₃, acetyl, SCH₃, S(=O)CH₃,
S(=O)₂CH₃, C₁-C₄ alkyl, C₁-C₃ alkoxy, C₁-C₂ haloalkyl,
and C₁-C₂ haloalkoxy;

15 B is a seven membered lactam,
wherein the lactam is saturated, partially saturated or
unsaturated;
wherein each additional lactam carbon is substituted
with 0-2 R¹¹; and,
20 optionally, the lactam contains a heteroatom selected
from -O-, -S-, -S(=O)-, -S(=O)₂-, and -N(R¹⁰)-;

R¹⁰ is H, C(=O)R¹⁷, C(=O)OR¹⁷;
C₁-C₄ alkyl substituted with 0-1 R^{10a};
25 phenyl substituted with 0-4 R^{10b};
C₃-C₆ carbocycle substituted with 0-3 R^{10b}; or
5 to 6 membered heterocycle optionally substituted with
0-3 R^{10b};

30 R^{10a}, at each occurrence, is independently selected from H,
C₁-C₄ alkyl, OR¹⁴, Cl, F, Br, I, =O, CN, NO₂, NR¹⁵R¹⁶,
CF₃, or phenyl substituted with 0-4 R^{10b};

R^{10b}, at each occurrence, is independently selected from H,
35 OH, C₁-C₄ alkyl, C₁-C₃ alkoxy, Cl, F, Br, I, CN, NO₂,
NR¹⁵R¹⁶, or CF₃;

R¹¹, at each occurrence, is independently selected from

C₁-C₄ alkoxy, Cl, F, =O, NR¹⁸R¹⁹, C(=O)R¹⁷, C(=O)OR¹⁷,
CF₃;

C₁-C₄ alkyl substituted with 0-1 R^{11a};

phenyl substituted with 0-3 R^{11b};

5 C₃-C₆ carbocycle substituted with 0-3 R^{11b}; or

5 to 6 membered heterocycle substituted with 0-3 R^{11b};

alternatively, two R¹¹ substituents on the same or adjacent
carbon atoms may be combined to form a cyclopropyl,
10 cyclobutyl, cyclopentyl, cyclohexyl, or a benzo fused
radical;

R^{11a}, at each occurrence, is independently selected from H,
C₁-C₄ alkyl, OR¹⁴, F, =O, NR¹⁵R¹⁶, CF₃, or phenyl
15 substituted with 0-3 R^{11b};

R^{11b}, at each occurrence, is independently selected from H,
OH, Cl, F, NR¹⁵R¹⁶, CF₃, C₁-C₄ alkyl, C₁-C₃ alkoxy, C₁-C₂
haloalkyl, and C₁-C₂ haloalkoxy;

20 R¹⁴ is H, phenyl, benzyl, C₁-C₄ alkyl, or C₂-C₄ alkoxyalkyl;

R¹⁵, at each occurrence, is independently selected from H,
C₁-C₄ alkyl, benzyl, phenethyl, -C(=O)-(C₁-C₄ alkyl) and
25 -S(=O)₂-(C₁-C₄ alkyl);

R¹⁶, at each occurrence, is independently selected from H,
OH, C₁-C₄ alkyl, benzyl, phenethyl, -C(=O)-(C₁-C₄ alkyl)
and -S(=O)₂-(C₁-C₄ alkyl);

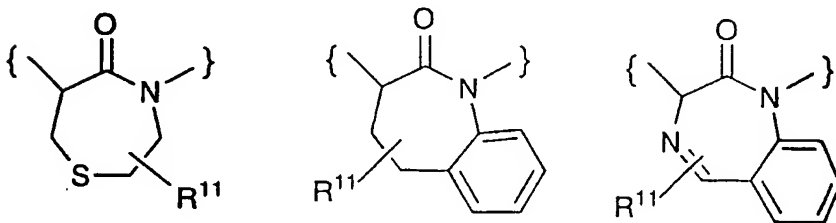
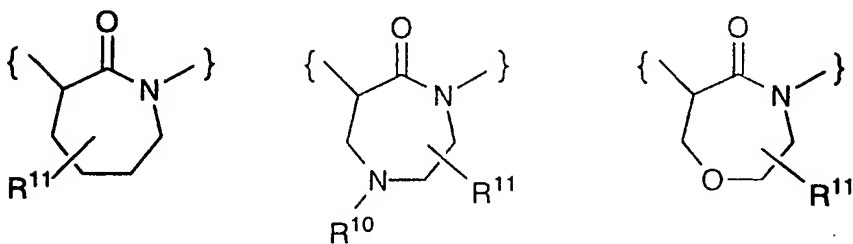
30 R¹⁷ is H, phenyl, 4-fluorophenyl, 4-chlorophenyl, 4-
methylphenyl, 4-trifluorophenyl, (4-fluorophenyl)methyl,
(4-chlorophenyl)methyl, (4-methylphenyl)methyl, (4-
trifluorophenyl)methyl, methyl, ethyl, propyl, butyl,
35 methoxymethyl, methoxyethyl, ethoxymethyl, or
ethoxyethyl;

R¹⁸, at each occurrence, is independently selected from H, methyl, ethyl, propyl, butyl, phenyl, benzyl, and phenethyl; and

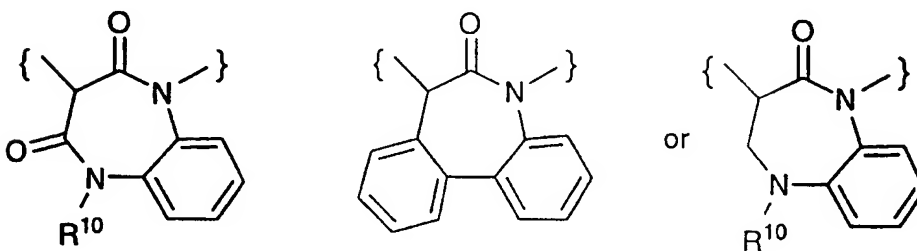
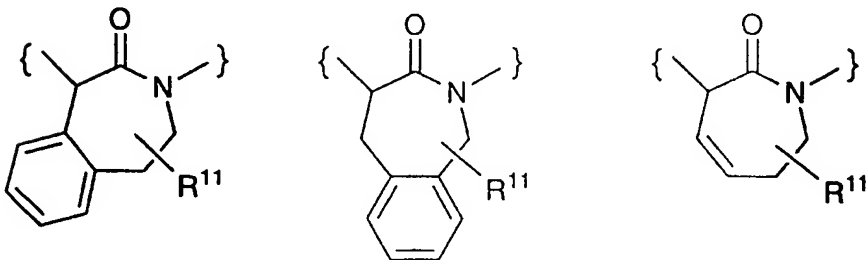
- 5 R¹⁹, at each occurrence, is independently selected from H, methyl, and ethyl.

13. A compound of Claim 12 wherein:

10 B is



15



14. A compound according to Claim 1 selected from:

- (2R,3S) N1-[(3S)-hexahydro-1-(3-phenoxybenzyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 5 (2R,3S) N1-[(3S)-hexahydro-1-(3-(4-methoxyphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-(4-trifluoromethylphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-
- 10 (2-methylpropyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-(4-methylphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-(2,4-
- 15 dichlorophenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-(3-chloro-4-fluorophenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(2-
- methylpropyl)-3-(propyl)-butanediamide;
- 20 (2R,3S) N1-[(3S)-hexahydro-1-(benzophenon-3-yl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-(2-naphthyl)benzyl)-2-oxo-
- 25 1H-azepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-(3-fluorophenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-(3-methoxyphenyl)benzyl)-
- 30 2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-(2-methoxyphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 35 (2R,3S) N1-[(3S)-hexahydro-1-(3-(4-methoxyphenyl)pyrid-5-ylmethyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;

- (2R,3S) N1-[(3S)-hexahydro-1-(3-(4-trifluoromethylphenyl)pyrid-5-ylmethyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 5 (2R,3S) N1-[(3S)-hexahydro-1-(3-(3-chloro-4-fluorophenyl)pyrid-5-ylmethyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(4-(4-trifluoromethylphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 10 (2S,3R) N1-[(3S)-hexahydro-1-(3-(2-tetrazolylphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(propyl)-3-(2-methylpropyl)-butanediamide;
- (2S,3R) N1-[(3S)-hexahydro-1-(3-phenoxybenzyl)-2-oxo-1H-azepin-3-yl]-2-(propyl)-3-(2-methylpropyl)-butanediamide;
- 15 (2R,3S) N1-[(3S)-hexahydro-1-(3-phenoxybenzyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(benzophenon-3-yl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- 20 (2R) N1-[(3S)-hexahydro-1-(3-phenoxybenzyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-(4-methoxyphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- 25 (2R,3S) N1-[(3S)-hexahydro-1-(3-(4-trifluoromethylphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-(4-methylphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- 30 (2R,3S) N1-[(3S)-hexahydro-1-(3-(2,4-dichlorophenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-(3-chloro-4-fluorophenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- 35

- (2R,3S) N1-[(3S)-hexahydro-1-(3-(2-naphthyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- 5 (2R,3S) N1-[(3S)-hexahydro-1-(3-phenoxybenzyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-(4-methoxyphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide;
- 10 (2R,3S) N1-[(3S)-hexahydro-1-(3-(4-trifluoromethylphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-(4-methylphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide;
- 15 (2R,3S) N1-[(3S)-hexahydro-1-(3-(2,4-dichlorophenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-(3-chloro-4-fluorophenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide;
- 20 (2R,3S) N1-[(3S)-hexahydro-1-(benzophenon-3-yl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-(2-naphthyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide;
- 25 (2R,3S) N1-[(3S)-hexahydro-1-(3-phenoxybenzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopropylmethyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-(4-methoxyphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopropylmethyl)-3-(propyl)-butanediamide;
- 30 (2R,3S) N1-[(3S)-hexahydro-1-(3-(4-trifluoromethylphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopropylmethyl)-3-(propyl)-butanediamide;
- 35 (2R,3S) N1-[(3S)-hexahydro-1-(3-(4-methylphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopropylmethyl)-3-(propyl)-butanediamide;

- (2R,3S) N1-[(3S)-hexahydro-1-(3-(2,4-dichlorophenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopropylmethyl)-3-(propyl)-butanediamide;
- 5 (2R,3S) N1-[(3S)-hexahydro-1-(3-(3-chloro-4-fluorophenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopropylmethyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(benzophenon-3-yl)-2-oxo-1H-azepin-3-yl]-2-(cyclopropylmethyl)-3-(propyl)-butanediamide;
- 10 (2R,3S) N1-[(3S)-hexahydro-1-(3-(2-naphthyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopropylmethyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-phenoxybenzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopropylmethyl)-3-(allyl)-butanediamide;
- 15 (2R,3S) N1-[(3S)-hexahydro-1-(3-(4-methoxyphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopropylmethyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-(4-trifluoromethylphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopropylmethyl)-3-(allyl)-butanediamide;
- 20 (2R,3S) N1-[(3S)-hexahydro-1-(3-(4-methylphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopropylmethyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-(2,4-dichlorophenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopropylmethyl)-3-(allyl)-butanediamide;
- 25 (2R,3S) N1-[(3S)-hexahydro-1-(3-(3-chloro-4-fluorophenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopropylmethyl)-3-(allyl)-butanediamide;
- 30 (2R,3S) N1-[(3S)-hexahydro-1-(benzophenon-3-yl)-2-oxo-1H-azepin-3-yl]-2-(cyclopropylmethyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-(2-naphthyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopropylmethyl)-3-(allyl)-butanediamide;
- 35

- (2R,3S) N1-[(3S)-hexahydro-1-(3-phenoxybenzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopropylmethyl)-3-(butyl)-butanediamide;
- 5 (2R,3S) N1-[(3S)-hexahydro-1-(3-(4-methoxyphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopropylmethyl)-3-(butyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-(4-trifluoromethylphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopropylmethyl)-3-(butyl)-butanediamide;
- 10 (2R,3S) N1-[(3S)-hexahydro-1-(3-(4-methylphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopropylmethyl)-3-(butyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-(2,4-dichlorophenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopropylmethyl)-3-(butyl)-butanediamide;
- 15 (2R,3S) N1-[(3S)-hexahydro-1-(3-(3-chloro-4-fluorophenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopropylmethyl)-3-(butyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(benzophenon-3-yl)-2-oxo-1H-azepin-3-yl]-2-(cyclopropylmethyl)-3-(butyl)-butanediamide;
- 20 (2R,3S) N1-[(3S)-hexahydro-1-(3-(2-naphthyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopropylmethyl)-3-(butyl)-butanediamide;
- 25 (2R,3S) N1-[(3S)-hexahydro-1-(3-phenoxybenzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclobutylmethyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-(4-methoxyphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclobutylmethyl)-3-(propyl)-butanediamide;
- 30 (2R,3S) N1-[(3S)-hexahydro-1-(3-(4-trifluoromethylphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclobutylmethyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-(4-methylphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclobutylmethyl)-3-(propyl)-butanediamide;
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- (2R,3S) N1-[(3S)-hexahydro-1-(3-(2,4-dichlorophenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclobutylmethyl)-3-(propyl)-butanediamide;
- 5 (2R,3S) N1-[(3S)-hexahydro-1-(3-(3-chloro-4-fluorophenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclobutylmethyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(benzophenon-3-yl)-2-oxo-1H-azepin-3-yl]-2-(cyclobutylmethyl)-3-(propyl)-butanediamide;
- 10 (2R,3S) N1-[(3S)-hexahydro-1-(3-(2-naphthyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclobutylmethyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-phenoxybenzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclobutylmethyl)-3-(allyl)-butanediamide;
- 15 (2R,3S) N1-[(3S)-hexahydro-1-(3-(4-methoxyphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclobutylmethyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-(4-trifluoromethylphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclobutylmethyl)-3-(allyl)-butanediamide;
- 20 (2R,3S) N1-[(3S)-hexahydro-1-(3-(4-methylphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclobutylmethyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-(2,4-dichlorophenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclobutylmethyl)-3-(allyl)-butanediamide;
- 25 (2R,3S) N1-[(3S)-hexahydro-1-(3-(3-chloro-4-fluorophenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclobutylmethyl)-3-(allyl)-butanediamide;
- 30 (2R,3S) N1-[(3S)-hexahydro-1-(benzophenon-3-yl)-2-oxo-1H-azepin-3-yl]-2-(cyclobutylmethyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-(2-naphthyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclobutylmethyl)-3-(allyl)-butanediamide;
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- (2R,3S) N1-[(3S)-hexahydro-1-(3-phenoxybenzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclobutylmethyl)-3-(butyl)-butanediamide;
- 5 (2R,3S) N1-[(3S)-hexahydro-1-(3-(4-methoxyphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclobutylmethyl)-3-(butyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-(4-trifluoromethylphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclobutylmethyl)-3-(butyl)-butanediamide;
- 10 (2R,3S) N1-[(3S)-hexahydro-1-(3-(4-methylphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclobutylmethyl)-3-(butyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-(2,4-dichlorophenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclobutylmethyl)-3-(butyl)-butanediamide;
- 15 (2R,3S) N1-[(3S)-hexahydro-1-(3-(3-chloro-4-fluorophenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclobutylmethyl)-3-(butyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(benzophenon-3-yl)-2-oxo-1H-azepin-3-yl]-2-(cyclobutylmethyl)-3-(butyl)-butanediamide;
- 20 (2R,3S) N1-[(3S)-hexahydro-1-(3-(2-naphthyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclobutylmethyl)-3-(butyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-phenoxybenzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopentylmethyl)-3-(propyl)-butanediamide;
- 25 (2R,3S) N1-[(3S)-hexahydro-1-(3-(4-methoxyphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopentylmethyl)-3-(propyl)-butanediamide;
- 30 (2R,3S) N1-[(3S)-hexahydro-1-(3-(4-trifluoromethylphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopentylmethyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-(4-methylphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopentylmethyl)-3-(propyl)-butanediamide;
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- (2R,3S) N1-[(3S)-hexahydro-1-(3-(2,4-dichlorophenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopentylmethyl)-3-(propyl)-butanediamide;
- 5 (2R,3S) N1-[(3S)-hexahydro-1-(3-(3-chloro-4-fluorophenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopentylmethyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(benzophenon-3-yl)-2-oxo-1H-azepin-3-yl]-2-(cyclopentylmethyl)-3-(propyl)-butanediamide;
- 10 (2R,3S) N1-[(3S)-hexahydro-1-(3-(2-naphthyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopentylmethyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-phenoxybenzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopentylmethyl)-3-(allyl)-butanediamide;
- 15 (2R,3S) N1-[(3S)-hexahydro-1-(3-(4-methoxyphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopentylmethyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-(4-trifluoromethylphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopentylmethyl)-3-(allyl)-butanediamide;
- 20 (2R,3S) N1-[(3S)-hexahydro-1-(3-(4-methylphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopentylmethyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-(2,4-dichlorophenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopentylmethyl)-3-(allyl)-butanediamide;
- 25 (2R,3S) N1-[(3S)-hexahydro-1-(3-(3-chloro-4-fluorophenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopentylmethyl)-3-(allyl)-butanediamide;
- 30 (2R,3S) N1-[(3S)-hexahydro-1-(3-(3-chloro-4-fluorophenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopentylmethyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(benzophenon-3-yl)-2-oxo-1H-azepin-3-yl]-2-(cyclopentylmethyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-(2-naphthyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopentylmethyl)-3-(allyl)-butanediamide;
- 35

- (2R,3S) N1-[(3S)-hexahydro-1-(3-phenoxybenzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopentylmethyl)-3-(butyl)-butanediamide;
- 5 (2R,3S) N1-[(3S)-hexahydro-1-(3-(4-methoxyphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopentylmethyl)-3-(butyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-(4-trifluoromethylphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopentylmethyl)-3-(butyl)-butanediamide;
- 10 (2R,3S) N1-[(3S)-hexahydro-1-(3-(4-methylphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopentylmethyl)-3-(butyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-(2,4-dichlorophenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopentylmethyl)-3-(butyl)-butanediamide;
- 15 (2R,3S) N1-[(3S)-hexahydro-1-(3-(3-chloro-4-fluorophenyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopentylmethyl)-3-(butyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(benzophenon-3-yl)-2-oxo-1H-azepin-3-yl]-2-(cyclopentylmethyl)-3-(butyl)-butanediamide; and
- 20 (2R,3S) N1-[(3S)-hexahydro-1-(3-(2-naphthyl)benzyl)-2-oxo-1H-azepin-3-yl]-2-(cyclopentylmethyl)-3-(butyl)-butanediamide;
- 25 (2R,3S) N1-[(3S)-hexahydro-1-(benzyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(phenethyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-((4-fluorophenyl)methyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 30 (2R,3S) N1-[(3S)-hexahydro-1-(cyclopropylmethyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(cyclobutylmethyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 35 (2R,3S) N1-[(3S)-hexahydro-1-(cyclobutylmethyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;

- (2R,3S) N1-[(3S)-hexahydro-1-(cyclopentylmethyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 5 (2R,3S) N1-[(3S)-hexahydro-1-(cyclohexylmethyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(cyclopropylethyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 10 (2R,3S) N1-[(3S)-hexahydro-1-(cyclobutylethyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(cyclopentylethyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 15 (2R,3S) N1-[(3S)-hexahydro-1-(cyclohexylethyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(benzyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- 20 (2R,3S) N1-[(3S)-hexahydro-1-(phenethyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-((4-fluorophenyl)methyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- 25 (2R,3S) N1-[(3S)-hexahydro-1-(cyclopropylmethyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(cyclobutylmethyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- 30 (2R,3S) N1-[(3S)-hexahydro-1-(cyclopentylmethyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(cyclohexylmethyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(cyclopropylethyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- 35 (2R,3S) N1-[(3S)-hexahydro-1-(cyclobutylethyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;

- (2R,3S) N1-[(3S)-hexahydro-1-(cyclopentylethyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
(2R,3S) N1-[(3S)-hexahydro-1-(cyclohexylethyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
5 (2R,3S) N1-[(3S)-hexahydro-1-(benzyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide;
(2R,3S) N1-[(3S)-hexahydro-1-(phenethyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide;
(2R,3S) N1-[(3S)-hexahydro-1-((4-fluorophenyl)methyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-
10 butanediamide;
(2R,3S) N1-[(3S)-hexahydro-1-(cyclopropylmethyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide;
(2R,3S) N1-[(3S)-hexahydro-1-(cyclobutylmethyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide;
15 (2R,3S) N1-[(3S)-hexahydro-1-(cyclopentylmethyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide;
(2R,3S) N1-[(3S)-hexahydro-1-(cyclohexylmethyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide;
20 (2R,3S) N1-[(3S)-hexahydro-1-(cyclopropylethyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide;
(2R,3S) N1-[(3S)-hexahydro-1-(cyclobutylethyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide;
(2R,3S) N1-[(3S)-hexahydro-1-(cyclopentylethyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide;
25 and
(2R,3S) N1-[(3S)-hexahydro-1-(cyclohexylethyl)-2-oxo-1H-azepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide.
- 30 15. A compound according to Claim 1 selected from:
(2R,3S) N1-[1,3-dihydro-1-(3-phenoxybenzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
(2R,3S) N1-[1,3-dihydro-1-(3-phenoxybenzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
35

- (2R,3S) N1-[1,3-dihydro-1-(3-(4-methoxyphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 5 (2R,3S) N1-[1,3-dihydro-1-(3-(4-trifluoromethylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 10 (2R,3S) N1-[1,3-dihydro-1-(3-(4-methylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(3-(2,4-dichlorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 15 (2R,3S) N1-[1,3-dihydro-1-(3-(3-chloro-4-fluorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(benzophenon-3-yl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 20 (2R,3S) N1-[1,3-dihydro-1-(3-(2-naphthyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(3-(4-methoxyphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- 25 (2R,3S) N1-[1,3-dihydro-1-(3-(4-trifluoromethylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- 30 (2R,3S) N1-[1,3-dihydro-1-(3-(4-methylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(3-(2,4-dichlorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- 35 (2R,3S) N1-[1,3-dihydro-1-(3-(3-chloro-4-fluorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-

- benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-
butanediamide;
- 5 (2R,3S) N1-[1,3-dihydro-1-(3-(2-naphthyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(3-phenoxybenzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide;
- 10 (2R,3S) N1-[1,3-dihydro-1-(3-(4-methoxyphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(3-(4-trifluoromethylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-
15 butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(3-(4-methylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(3-(2,4-dichlorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide;
- 20 (2R,3S) N1-[1,3-dihydro-1-(3-(3-chloro-4-fluorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-
25 butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(benzophenon-3-yl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(3-(2-naphthyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-
30 3-(butyl)-butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(3-phenoxybenzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclopropylmethyl)-3-(propyl)-butanediamide;
- 35 (2R,3S) N1-[1,3-dihydro-1-(3-(4-methoxyphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclopropylmethyl)-3-(propyl)-butanediamide;

- (2R,3S) N1-[1,3-dihydro-1-(3-(4-trifluoromethylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclopropylmethyl)-3-(propyl)-butanediamide;
- 5 (2R,3S) N1-[1,3-dihydro-1-(3-(4-methylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclopropylmethyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(3-(2,4-dichlorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-
- 10 (cyclopropylmethyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(3-(3-chloro-4-fluorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclopropylmethyl)-3-(propyl)-butanediamide;
- 15 (2R,3S) N1-[1,3-dihydro-1-(benzophenon-3-yl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclopropylmethyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(3-(2-naphthyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-
- 20 (cyclopropylmethyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(3-phenoxybenzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-
- (cyclopropylmethyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(3-(4-methoxyphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-
- 25 (cyclopropylmethyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(3-(4-trifluoromethylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclopropylmethyl)-3-(allyl)-butanediamide;
- 30 (2R,3S) N1-[1,3-dihydro-1-(3-(4-methylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclopropylmethyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(3-(2,4-dichlorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-
- 35 (cyclopropylmethyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(3-(3-chloro-4-fluorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-

- benzodiazepin-3-yl]-2-(cyclopropylmethyl)-3-(allyl)-
butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(benzophenon-3-yl)-2-oxo-5-(
(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-
5 (cyclopropylmethyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(3-(2-naphthyl)benzyl)-2-oxo-5-(
(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-
(cyclopropylmethyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(3-phenoxybenzyl)-2-oxo-5-(
10 (phenyl)-2H-1,4-benzodiazepin-3-yl]-2-
(cyclopropylmethyl)-3-(butyl)-butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(3-(4-methoxyphenyl)benzyl)-2-
oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-
(cyclopropylmethyl)-3-(butyl)-butanediamide;
- 15 (2R,3S) N1-[1,3-dihydro-1-(3-(4-
trifluoromethylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-
benzodiazepin-3-yl]-2-(cyclopropylmethyl)-3-(butyl)-
butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(3-(4-methylphenyl)benzyl)-2-
20 oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-
(cyclopropylmethyl)-3-(butyl)-butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(3-(2,4-dichlorophenyl)benzyl)-
2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-
(cyclopropylmethyl)-3-(butyl)-butanediamide;
- 25 (2R,3S) N1-[1,3-dihydro-1-(3-(3-chloro-4-
fluorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-
benzodiazepin-3-yl]-2-(cyclopropylmethyl)-3-(butyl)-
butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(benzophenon-3-yl)-2-oxo-5-(
30 (phenyl)-2H-1,4-benzodiazepin-3-yl]-2-
(cyclopropylmethyl)-3-(butyl)-butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(3-(2-naphthyl)benzyl)-2-oxo-5-(
(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-
(cyclopropylmethyl)-3-(butyl)-butanediamide;
- 35 (2R,3S) N1-[1,3-dihydro-1-(3-phenoxybenzyl)-2-oxo-5-(
(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-
(cyclobutylmethyl)-3-(propyl)-butanediamide;

- (2R,3S) N1-[1,3-dihydro-1-(3-(4-methoxyphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclobutylmethyl)-3-(propyl)-butanediamide;
- 5 (2R,3S) N1-[1,3-dihydro-1-(3-(4-trifluoromethylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclobutylmethyl)-3-(propyl)-butanediamide;
- 10 (2R,3S) N1-[1,3-dihydro-1-(3-(4-methylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclobutylmethyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(3-(2,4-dichlorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclobutylmethyl)-3-(propyl)-butanediamide;
- 15 (2R,3S) N1-[1,3-dihydro-1-(3-(3-chloro-4-fluorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclobutylmethyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(benzophenon-3-yl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclobutylmethyl)-3-(propyl)-butanediamide;
- 20 (2R,3S) N1-[1,3-dihydro-1-(3-(2-naphthyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclobutylmethyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(3-phenoxybenzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclobutylmethyl)-3-(allyl)-butanediamide;
- 25 (2R,3S) N1-[1,3-dihydro-1-(3-(4-methoxyphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclobutylmethyl)-3-(allyl)-butanediamide;
- 30 (2R,3S) N1-[1,3-dihydro-1-(3-(4-trifluoromethylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclobutylmethyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(3-(4-methylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclobutylmethyl)-3-(allyl)-butanediamide;
- 35

- (2R,3S) N1-[1,3-dihydro-1-(3-(2,4-dichlorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclobutylmethyl)-3-(allyl)-butanediamide;
- 5 (2R,3S) N1-[1,3-dihydro-1-(3-(3-chloro-4-fluorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclobutylmethyl)-3-(allyl)-butanediamide;
- 10 (2R,3S) N1-[1,3-dihydro-1-(benzophenon-3-yl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclobutylmethyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(3-(2-naphthyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclobutylmethyl)-3-(allyl)-butanediamide;
- 15 (2R,3S) N1-[1,3-dihydro-1-(3-phenoxybenzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclobutylmethyl)-3-(butyl)-butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(3-(4-methoxyphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclobutylmethyl)-3-(butyl)-butanediamide;
- 20 (2R,3S) N1-[1,3-dihydro-1-(3-(4-trifluoromethylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclobutylmethyl)-3-(butyl)-butanediamide;
- 25 (2R,3S) N1-[1,3-dihydro-1-(3-(4-methylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclobutylmethyl)-3-(butyl)-butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(3-(2,4-dichlorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclobutylmethyl)-3-(butyl)-butanediamide;
- 30 (2R,3S) N1-[1,3-dihydro-1-(3-(3-chloro-4-fluorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclobutylmethyl)-3-(butyl)-butanediamide;
- 35 (2R,3S) N1-[1,3-dihydro-1-(benzophenon-3-yl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclobutylmethyl)-3-(butyl)-butanediamide;

- (2R,3S) N1-[1,3-dihydro-1-(3-(2-naphthyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclobutylmethyl)-3-(butyl)-butanedi-
amide;
- 5 (2R,3S) N1-[1,3-dihydro-1-(3-phenoxybenzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclopentylmethyl)-3-(propyl)-butanedi-
amide;
- (2R,3S) N1-[1,3-dihydro-1-(3-(4-methoxyphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclopentylmethyl)-3-(propyl)-butanedi-
amide;
- 10 (2R,3S) N1-[1,3-dihydro-1-(3-(4-trifluoromethylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclopentylmethyl)-3-(propyl)-
butanedi-
amide;
- (2R,3S) N1-[1,3-dihydro-1-(3-(4-methylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclopentylmethyl)-3-(propyl)-butanedi-
15 amide;
- (2R,3S) N1-[1,3-dihydro-1-(3-(2,4-dichlorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclopentylmethyl)-3-(propyl)-butanedi-
amide;
- 20 (2R,3S) N1-[1,3-dihydro-1-(3-(3-chloro-4-fluorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclopentylmethyl)-3-(propyl)-
butanedi-
amide;
- (2R,3S) N1-[1,3-dihydro-1-(benzophenon-3-yl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclopentylmethyl)-3-(propyl)-butanedi-
25 amide;
- (2R,3S) N1-[1,3-dihydro-1-(3-(2-naphthyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclopentylmethyl)-3-(propyl)-butanedi-
amide;
- 30 (2R,3S) N1-[1,3-dihydro-1-(3-phenoxybenzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclopentylmethyl)-3-(allyl)-butanedi-
amide;
- (2R,3S) N1-[1,3-dihydro-1-(3-(4-methoxyphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclopentylmethyl)-3-(allyl)-butanedi-
35 amide;
- (2R,3S) N1-[1,3-dihydro-1-(3-(4-trifluoromethylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-

- benzodiazepin-3-yl]-2-(cyclopentylmethyl)-3-(allyl)-
butanediamide;
- 5 (2R,3S) N1-[1,3-dihydro-1-(3-(4-methylphenyl)benzyl)-2-
oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-
(cyclopentylmethyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(3-(2,4-dichlorophenyl)benzyl)-
2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-
(cyclopentylmethyl)-3-(allyl)-butanediamide;
- 10 (2R,3S) N1-[1,3-dihydro-1-(3-(3-chloro-4-
fluorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-
benzodiazepin-3-yl]-2-(cyclopentylmethyl)-3-(allyl)-
butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(benzophenon-3-yl)-2-oxo-5-
(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-
15 (cyclopentylmethyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(3-(2-naphthyl)benzyl)-2-oxo-5-
(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-
(cyclopentylmethyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(3-phenoxybenzyl)-2-oxo-5-
20 (phenyl)-2H-1,4-benzodiazepin-3-yl]-2-
(cyclopentylmethyl)-3-(butyl)-butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(3-(4-methoxyphenyl)benzyl)-2-
oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-
(cyclopentylmethyl)-3-(butyl)-butanediamide;
- 25 (2R,3S) N1-[1,3-dihydro-1-(3-(4-
trifluoromethylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-
benzodiazepin-3-yl]-2-(cyclopentylmethyl)-3-(butyl)-
butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(3-(4-methylphenyl)benzyl)-2-
30 oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-
(cyclopentylmethyl)-3-(butyl)-butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(3-(2,4-dichlorophenyl)benzyl)-
2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-
(cyclopentylmethyl)-3-(butyl)-butanediamide;
- 35 (2R,3S) N1-[1,3-dihydro-1-(3-(3-chloro-4-
fluorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-
benzodiazepin-3-yl]-2-(cyclopentylmethyl)-3-(butyl)-
butanediamide;

- (2R,3S) N1-[1,3-dihydro-1-(benzophenon-3-yl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclopentylmethyl)-3-(butyl)-butanediamide; and
- 5 (2R,3S) N1-[1,3-dihydro-1-(3-(2-naphthyl)benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(cyclopentylmethyl)-3-(butyl)-butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 10 (2R,3S) N1-[1,3-dihydro-1-(phenethyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-((4-fluorophenyl)methyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 15 (2R,3S) N1-[1,3-dihydro-1-(cyclopropylmethyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(cyclobutylmethyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 20 (2R,3S) N1-[1,3-dihydro-1-(cyclopentylmethyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(cyclohexylmethyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 25 (2R,3S) N1-[1,3-dihydro-1-(cyclopropylethyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 30 (2R,3S) N1-[1,3-dihydro-1-(cyclobutylethyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(cyclopentylethyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
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- (2R,3S) N1-[1,3-dihydro-1-(cyclohexylethyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 5 (2R,3S) N1-[1,3-dihydro-1-(benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(phenethyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- 10 (2R,3S) N1-[1,3-dihydro-1-((4-fluorophenyl)methyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(cyclopropylmethyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- 15 (2R,3S) N1-[1,3-dihydro-1-(cyclobutylmethyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(cyclopentylmethyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- 20 (2R,3S) N1-[1,3-dihydro-1-(cyclohexylmethyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- 25 (2R,3S) N1-[1,3-dihydro-1-(cyclopropylethyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(cyclobutylethyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- 30 (2R,3S) N1-[1,3-dihydro-1-(cyclopentylethyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(cyclohexylethyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
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- (2R,3S) N1-[1,3-dihydro-1-(benzyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide;
- 5 (2R,3S) N1-[1,3-dihydro-1-(phenethyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-((4-fluorophenyl)methyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide;
- 10 (2R,3S) N1-[1,3-dihydro-1-(cyclopropylmethyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(cyclobutylmethyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide;
- 15 (2R,3S) N1-[1,3-dihydro-1-(cyclopentylmethyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(cyclohexylmethyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide;
- 20 (2R,3S) N1-[1,3-dihydro-1-(cyclopropylethyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide;
- (2R,3S) N1-[1,3-dihydro-1-(cyclobutylethyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide;
- 25 (2R,3S) N1-[1,3-dihydro-1-(cyclopentylethyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide; and
- 30 (2R,3S) N1-[1,3-dihydro-1-(cyclohexylethyl)-2-oxo-5-(phenyl)-2H-1,4-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide.
- 35 16. A compound according to Claim 1 selected from:
- (2R,3S) N1-[6,7-dihydro-5-(3-phenoxybenzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;

- (2R,3S) N1-[6,7-dihydro-5-(3-(4-methoxyphenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 5 (2R,3S) N1-[6,7-dihydro-5-(3-(4-trifluoromethylphenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 10 (2R,3S) N1-[6,7-dihydro-5-(3-(4-methylphenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(3-(2,4-dichlorophenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 15 (2R,3S) N1-[6,7-dihydro-5-(3-(3-chloro-4-fluorophenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(benzophenon-3-yl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 20 (2R,3S) N1-[6,7-dihydro-5-(3-(2-naphthyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(3-phenoxybenzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- 25 (2R,3S) N1-[6,7-dihydro-5-(3-(4-methoxyphenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(3-(4-trifluoromethylphenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- 30 (2R,3S) N1-[6,7-dihydro-5-(3-(4-methylphenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- 35 (2R,3S) N1-[6,7-dihydro-5-(3-(2,4-dichlorophenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;

- (2R,3S) N1-[6,7-dihydro-5-(3-(3-chloro-4-fluorophenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- 5 (2R,3S) N1-[6,7-dihydro-5-(3-(2-naphthyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(3-phenoxybenzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide;
- 10 (2R,3S) N1-[6,7-dihydro-5-(3-(4-methoxyphenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(3-(4-trifluoromethylphenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide;
- 15 (2R,3S) N1-[6,7-dihydro-5-(3-(4-methylphenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide;
- 20 (2R,3S) N1-[6,7-dihydro-5-(3-(2,4-dichlorophenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(3-(3-chloro-4-fluorophenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide;
- 25 (2R,3S) N1-[6,7-dihydro-5-(benzophenon-3-yl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(3-(2-naphthyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide;
- 30 (2R,3S) N1-[6,7-dihydro-5-(3-phenoxybenzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopropylmethyl)-3-(propyl)-butanediamide;
- 35 (2R,3S) N1-[6,7-dihydro-5-(3-(4-methoxyphenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopropylmethyl)-3-(propyl)-butanediamide;

- (2R,3S) N1-[6,7-dihydro-5-(3-(4-trifluoromethylphenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopropylmethyl)-3-(propyl)-butanediamide;
- 5 (2R,3S) N1-[6,7-dihydro-5-(3-(4-methylphenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopropylmethyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(3-(2,4-dichlorophenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopropylmethyl)-3-(propyl)-butanediamide;
- 10 (2R,3S) N1-[6,7-dihydro-5-(3-(3-chloro-4-fluorophenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopropylmethyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(benzophenon-3-yl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopropylmethyl)-3-(propyl)-butanediamide;
- 15 (2R,3S) N1-[6,7-dihydro-5-(3-(2-naphthyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopropylmethyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(3-phenoxybenzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopropylmethyl)-3-(allyl)-butanediamide;
- 20 (2R,3S) N1-[6,7-dihydro-5-(3-(4-methoxyphenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopropylmethyl)-3-(allyl)-butanediamide;
- 25 (2R,3S) N1-[6,7-dihydro-5-(3-(4-trifluoromethylphenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopropylmethyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(3-(4-methylphenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopropylmethyl)-3-(allyl)-butanediamide;
- 30 (2R,3S) N1-[6,7-dihydro-5-(3-(2,4-dichlorophenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopropylmethyl)-3-(allyl)-butanediamide;
- 35 (2R,3S) N1-[6,7-dihydro-5-(3-(3-chloro-4-fluorophenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopropylmethyl)-3-(allyl)-butanediamide;

- (2R,3S) N1-[6,7-dihydro-5-(benzophenon-3-yl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopropylmethyl)-3-(allyl)-butanediamide;
- 5 (2R,3S) N1-[6,7-dihydro-5-(3-(2-naphthyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopropylmethyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(3-phenoxybenzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopropylmethyl)-3-(butyl)-butanediamide;
- 10 (2R,3S) N1-[6,7-dihydro-5-(3-(4-methoxyphenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopropylmethyl)-3-(butyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(3-(4-trifluoromethylphenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopropylmethyl)-3-(butyl)-butanediamide;
- 15 (2R,3S) N1-[6,7-dihydro-5-(3-(4-methylphenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopropylmethyl)-3-(butyl)-butanediamide;
- 20 (2R,3S) N1-[6,7-dihydro-5-(3-(2,4-dichlorophenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopropylmethyl)-3-(butyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(3-(3-chloro-4-fluorophenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopropylmethyl)-3-(butyl)-butanediamide;
- 25 (2R,3S) N1-[6,7-dihydro-5-(benzophenon-3-yl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopropylmethyl)-3-(butyl)-butanediamide;
- 30 (2R,3S) N1-[6,7-dihydro-5-(3-(2-naphthyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopropylmethyl)-3-(butyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(3-phenoxybenzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclobutylmethyl)-3-(propyl)-butanediamide;
- 35 (2R,3S) N1-[6,7-dihydro-5-(3-(4-methoxyphenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclobutylmethyl)-3-(propyl)-butanediamide;

- (2R,3S) N1-[6,7-dihydro-5-(3-(4-trifluoromethylphenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclobutylmethyl)-3-(propyl)-butanediamide;
- 5 (2R,3S) N1-[6,7-dihydro-5-(3-(4-methylphenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclobutylmethyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(3-(2,4-dichlorophenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclobutylmethyl)-3-
- 10 (propyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(3-(3-chloro-4-fluorophenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclobutylmethyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(benzophenon-3-yl)-6-oxo-5H-
- 15 dibenz[b,d]azepin-7-yl]-2-(cyclobutylmethyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(3-(2-naphthyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclobutylmethyl)-3-(propyl)-butanediamide;
- 20 (2R,3S) N1-[6,7-dihydro-5-(3-phenoxybenzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclobutylmethyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(3-(4-methoxyphenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclobutylmethyl)-3-
- 25 (allyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(3-(4-trifluoromethylphenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclobutylmethyl)-3-(allyl)-butanediamide;
- 30 (2R,3S) N1-[6,7-dihydro-5-(3-(4-methylphenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclobutylmethyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(3-(2,4-dichlorophenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclobutylmethyl)-3-
- 35 (allyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(3-(3-chloro-4-fluorophenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclobutylmethyl)-3-(allyl)-butanediamide;

- (2R,3S) N1-[6,7-dihydro-5-(benzophenon-3-yl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclobutylmethyl)-3-(allyl)-butanediamide;
- 5 (2R,3S) N1-[6,7-dihydro-5-(3-(2-naphthyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclobutylmethyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(3-phenoxybenzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclobutylmethyl)-3-(butyl)-butanediamide;
- 10 (2R,3S) N1-[6,7-dihydro-5-(3-(4-methoxyphenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclobutylmethyl)-3-(butyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(3-(4-trifluoromethylphenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclobutylmethyl)-3-(butyl)-butanediamide;
- 15 (2R,3S) N1-[6,7-dihydro-5-(3-(4-methylphenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclobutylmethyl)-3-(butyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(3-(2,4-dichlorophenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclobutylmethyl)-3-(butyl)-butanediamide;
- 20 (2R,3S) N1-[6,7-dihydro-5-(3-(3-chloro-4-fluorophenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclobutylmethyl)-3-(butyl)-butanediamide;
- 25 (2R,3S) N1-[6,7-dihydro-5-(benzophenon-3-yl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclobutylmethyl)-3-(butyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(3-(2-naphthyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclobutylmethyl)-3-(butyl)-butanediamide;
- 30 (2R,3S) N1-[6,7-dihydro-5-(3-phenoxybenzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopentylmethyl)-3-(propyl)-butanediamide;
- 35 (2R,3S) N1-[6,7-dihydro-5-(3-(4-methoxyphenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopentylmethyl)-3-(propyl)-butanediamide;

- (2R,3S) N1-[6,7-dihydro-5-(3-(4-trifluoromethylphenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopentylmethyl)-3-(propyl)-butanediamide;
- 5 (2R,3S) N1-[6,7-dihydro-5-(3-(4-methylphenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopentylmethyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(3-(2,4-dichlorophenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopentylmethyl)-3-(propyl)-butanediamide;
- 10 (2R,3S) N1-[6,7-dihydro-5-(3-(3-chloro-4-fluorophenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopentylmethyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(benzophenon-3-yl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopentylmethyl)-3-(propyl)-butanediamide;
- 15 (2R,3S) N1-[6,7-dihydro-5-(3-(2-naphthyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopentylmethyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(3-phenoxybenzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopentylmethyl)-3-(allyl)-butanediamide;
- 20 (2R,3S) N1-[6,7-dihydro-5-(3-(4-methoxyphenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopentylmethyl)-3-(allyl)-butanediamide;
- 25 (2R,3S) N1-[6,7-dihydro-5-(3-(4-trifluoromethylphenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopentylmethyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(3-(4-methylphenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopentylmethyl)-3-(allyl)-butanediamide;
- 30 (2R,3S) N1-[6,7-dihydro-5-(3-(2,4-dichlorophenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopentylmethyl)-3-(allyl)-butanediamide;
- 35 (2R,3S) N1-[6,7-dihydro-5-(3-(3-chloro-4-fluorophenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopentylmethyl)-3-(allyl)-butanediamide;

- (2R,3S) N1-[6,7-dihydro-5-(benzophenon-3-yl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopentylmethyl)-3-(allyl)-butanediamide;
- 5 (2R,3S) N1-[6,7-dihydro-5-(3-(2-naphthyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopentylmethyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(3-phenoxybenzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopentylmethyl)-3-(butyl)-butanediamide;
- 10 (2R,3S) N1-[6,7-dihydro-5-(3-(4-methoxyphenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopentylmethyl)-3-(butyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(3-(4-trifluoromethylphenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopentylmethyl)-3-(butyl)-butanediamide;
- 15 (2R,3S) N1-[6,7-dihydro-5-(3-(4-methylphenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopentylmethyl)-3-(butyl)-butanediamide;
- 20 (2R,3S) N1-[6,7-dihydro-5-(3-(2,4-dichlorophenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopentylmethyl)-3-(butyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(3-(3-chloro-4-fluorophenyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopentylmethyl)-3-(butyl)-butanediamide;
- 25 (2R,3S) N1-[6,7-dihydro-5-(benzophenon-3-yl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopentylmethyl)-3-(butyl)-butanediamide; and
- (2R,3S) N1-[6,7-dihydro-5-(3-(2-naphthyl)benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(cyclopentylmethyl)-3-(butyl)-butanediamide;
- 30 (2R,3S) N1-[6,7-dihydro-5-(benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 35 (2R,3S) N1-[6,7-dihydro-5-(phenethyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;

- (2R,3S) N1-[6,7-dihydro-5-((4-fluorophenyl)methyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 5 (2R,3S) N1-[6,7-dihydro-5-(cyclopropylmethyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(cyclobutylmethyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 10 (2R,3S) N1-[6,7-dihydro-5-(cyclopentylmethyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(cyclohexylmethyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 15 (2R,3S) N1-[6,7-dihydro-5-(cyclopropylethyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(cyclobutylethyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 20 (2R,3S) N1-[6,7-dihydro-5-(cyclopentylethyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 25 (2R,3S) N1-[6,7-dihydro-5-(cyclohexylethyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- 30 (2R,3S) N1-[6,7-dihydro-5-(phenethyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-((4-fluorophenyl)methyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- 35

- (2R,3S) N1-[6,7-dihydro-5-(cyclopropylmethyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- 5 (2R,3S) N1-[6,7-dihydro-5-(cyclobutylmethyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(cyclopentylmethyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- 10 (2R,3S) N1-[6,7-dihydro-5-(cyclohexylmethyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(cyclopropylethyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- 15 (2R,3S) N1-[6,7-dihydro-5-(cyclobutylethyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(cyclopentylethyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- 20 (2R,3S) N1-[6,7-dihydro-5-(cyclohexylethyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(benzyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide;
- 25 (2R,3S) N1-[6,7-dihydro-5-(phenethyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide;
- 30 (2R,3S) N1-[6,7-dihydro-5-((4-fluorophenyl)methyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(cyclopropylmethyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide;
- 35

- (2R,3S) N1-[6,7-dihydro-5-(cyclobutylmethyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide;
- 5 (2R,3S) N1-[6,7-dihydro-5-(cyclopentylmethyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(cyclohexylmethyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide;
- 10 (2R,3S) N1-[6,7-dihydro-5-(cyclopropylethyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide;
- (2R,3S) N1-[6,7-dihydro-5-(cyclobutylethyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide;
- 15 (2R,3S) N1-[6,7-dihydro-5-(cyclopentylethyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide; and
- (2R,3S) N1-[6,7-dihydro-5-(cyclohexylethyl)-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide.
- 20
17. A compound according to Claim 1 selected from:
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-phenoxybenzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 25 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(4-methoxyphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 30 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(4-trifluoromethylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 35 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(4-methylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;

- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(2,4-dichlorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 5 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(3-chloro-4-fluorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 10 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(benzophenon-3-yl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(2-naphthyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 15 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-phenoxybenzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(4-methoxyphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- 20 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(4-trifluoromethylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- 25 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(4-methylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- 30 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(2,4-dichlorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- 35 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(3-chloro-4-fluorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;

- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(2-naphthyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanedi-
amide;
- 5 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-phenoxybenzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanedi-
amide;
- 10 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(4-methoxyphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-
butanedi-
amide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(4-trifluoromethylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-
butanedi-
amide;
- 15 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(4-methylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-
butanedi-
amide;
- 20 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(2,4-dichlorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-
butanedi-
amide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(3-chloro-4-fluorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-
butanedi-
amide;
- 25 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(3-chloro-4-fluorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-
butanedi-
amide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(benzophenon-3-yl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanedi-
amide;
- 30 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(2-naphthyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanedi-
amide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-phenoxybenzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(cyclopropylmethyl)-3-(propyl)-butanedi-
amide;
- 35 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(4-methoxyphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-

- benzodiazepin-3-yl]-2-(cyclopropylmethyl)-3-(propyl)-
butanediamide;
- 5 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(4-
trifluoromethylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-
benzodiazepin-3-yl]-2-(cyclopropylmethyl)-3-(propyl)-
butanediamide;
- 10 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(4-
methylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-
benzodiazepin-3-yl]-2-(cyclopropylmethyl)-3-(propyl)-
butanediamide;
- 15 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(2,4-
dichlorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-
benzodiazepin-3-yl]-2-(cyclopropylmethyl)-3-(propyl)-
butanediamide;
- 20 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(3-chloro-4-
fluorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-
benzodiazepin-3-yl]-2-(cyclopropylmethyl)-3-(propyl)-
butanediamide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(benzophenon-3-yl)-2-oxo-
5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-
(cyclopropylmethyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(2-naphthyl)benzyl)-2-
oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-
(cyclopropylmethyl)-3-(propyl)-butanediamide;
- 25 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-phenoxybenzyl)-2-oxo-
5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-
(cyclopropylmethyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(4-
methoxyphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-
30 benzodiazepin-3-yl]-2-(cyclopropylmethyl)-3-(allyl)-
butanediamide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(4-
trifluoromethylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-
benzodiazepin-3-yl]-2-(cyclopropylmethyl)-3-(allyl)-
35 butanediamide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(4-
methylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-

- benzodiazepin-3-yl]-2-(cyclopropylmethyl)-3-(allyl)-
butanediamide;
- 5 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(2,4-
dichlorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-
benzodiazepin-3-yl]-2-(cyclopropylmethyl)-3-(allyl)-
butanediamide;
- 10 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(3-chloro-4-
fluorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-
benzodiazepin-3-yl]-2-(cyclopropylmethyl)-3-(allyl)-
butanediamide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(benzophenon-3-yl)-2-oxo-
5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-
(cyclopropylmethyl)-3-(allyl)-butanediamide;
- 15 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(2-naphthyl)benzyl)-2-
oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-
(cyclopropylmethyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-phenoxybenzyl)-2-oxo-
5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-
(cyclopropylmethyl)-3-(butyl)-butanediamide;
- 20 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(4-
methoxyphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-
benzodiazepin-3-yl]-2-(cyclopropylmethyl)-3-(butyl)-
butanediamide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(4-
25 trifluoromethylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-
benzodiazepin-3-yl]-2-(cyclopropylmethyl)-3-(butyl)-
butanediamide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(4-
methylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-
30 benzodiazepin-3-yl]-2-(cyclopropylmethyl)-3-(butyl)-
butanediamide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(2,4-
dichlorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-
benzodiazepin-3-yl]-2-(cyclopropylmethyl)-3-(butyl)-
35 butanediamide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(3-chloro-4-
fluorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-

- benzodiazepin-3-yl]-2-(cyclopropylmethyl)-3-(butyl)-
butanediamide;
- 5 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(benzophenon-3-yl)-2-oxo-
5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-
(cyclopropylmethyl)-3-(butyl)-butanediamide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(2-naphthyl)benzyl)-2-
oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-
(cyclopropylmethyl)-3-(butyl)-butanediamide;
- 10 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-phenoxybenzyl)-2-oxo-
5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-
(cyclobutylmethyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(4-
methoxyphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-
benzodiazepin-3-yl]-2-(cyclobutylmethyl)-3-(propyl)-
15 butanediamide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(4-
trifluoromethylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-
benzodiazepin-3-yl]-2-(cyclobutylmethyl)-3-(propyl)-
butanediamide;
- 20 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(4-
methylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-
benzodiazepin-3-yl]-2-(cyclobutylmethyl)-3-(propyl)-
butanediamide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(2,4-
25 dichlorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-
benzodiazepin-3-yl]-2-(cyclobutylmethyl)-3-(propyl)-
butanediamide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(3-chloro-4-
fluorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-
30 benzodiazepin-3-yl]-2-(cyclobutylmethyl)-3-(propyl)-
butanediamide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(benzophenon-3-yl)-2-oxo-
5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-
(cyclobutylmethyl)-3-(propyl)-butanediamide;
- 35 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(2-naphthyl)benzyl)-2-
oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-
(cyclobutylmethyl)-3-(propyl)-butanediamide;

- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-phenoxybenzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(cyclobutylmethyl)-3-(allyl)-butanediamide;
- 5 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(4-methoxyphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(cyclobutylmethyl)-3-(allyl)-butanediamide;
- 10 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(4-trifluoromethylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(cyclobutylmethyl)-3-(allyl)-butanediamide;
- 15 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(4-methylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(cyclobutylmethyl)-3-(allyl)-butanediamide;
- 20 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(2,4-dichlorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(cyclobutylmethyl)-3-(allyl)-butanediamide;
- 25 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(3-chloro-4-fluorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(cyclobutylmethyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(benzophenon-3-yl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(cyclobutylmethyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(2-naphthyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(cyclobutylmethyl)-3-(allyl)-butanediamide;
- 30 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-phenoxybenzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(cyclobutylmethyl)-3-(butyl)-butanediamide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(4-methoxyphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(cyclobutylmethyl)-3-(butyl)-butanediamide;
- 35 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(4-trifluoromethylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-

- benzodiazepin-3-yl]-2-(cyclobutylmethyl)-3-(butyl)-
butanediamide;
- 5 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(4-methylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(cyclobutylmethyl)-3-(butyl)-
butanediamide;
- 10 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(2,4-dichlorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(cyclobutylmethyl)-3-(butyl)-
butanediamide;
- 15 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(3-chloro-4-fluorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(cyclobutylmethyl)-3-(butyl)-
butanediamide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(benzophenon-3-yl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(cyclobutylmethyl)-3-(butyl)-butanediamide;
- 20 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(2-naphthyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(cyclobutylmethyl)-3-(butyl)-butanediamide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-phenoxybenzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(cyclopentylmethyl)-3-(propyl)-butanediamide;
- 25 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(4-methoxyphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(cyclopentylmethyl)-3-(propyl)-
butanediamide;
- 30 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(4-trifluoromethylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(cyclopentylmethyl)-3-(propyl)-
butanediamide;
- 35 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(4-methylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(cyclopentylmethyl)-3-(propyl)-
butanediamide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(2,4-dichlorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-

- benzodiazepin-3-yl]-2-(cyclopentylmethyl)-3-(propyl)-
butanediamide;
- 5 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(3-chloro-4-fluorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(cyclopentylmethyl)-3-(propyl)-butanediamide;
- 10 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(benzophenon-3-yl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(cyclopentylmethyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(2-naphthyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(cyclopentylmethyl)-3-(propyl)-butanediamide;
- 15 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-phenoxybenzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(cyclopentylmethyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(4-methoxyphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(cyclopentylmethyl)-3-(allyl)-butanediamide;
- 20 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(4-trifluoromethylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(cyclopentylmethyl)-3-(allyl)-butanediamide;
- 25 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(4-methylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(cyclopentylmethyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(2,4-dichlorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(cyclopentylmethyl)-3-(allyl)-butanediamide;
- 30 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(3-chloro-4-fluorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(cyclopentylmethyl)-3-(allyl)-butanediamide;
- 35 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(benzophenon-3-yl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(cyclopentylmethyl)-3-(allyl)-butanediamide;

- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(2-naphthyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(cyclopentylmethyl)-3-(allyl)-butanedi-
amide;
- 5 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-phenoxybenzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(cyclopentylmethyl)-3-(butyl)-butanedi-
amide;
- 10 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(4-methoxyphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(cyclopentylmethyl)-3-(butyl)-
butanedi-
amide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(4-trifluoromethylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(cyclopentylmethyl)-3-(butyl)-
butanedi-
amide;
- 15 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(4-methylphenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(cyclopentylmethyl)-3-(butyl)-
butanedi-
amide;
- 20 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(2,4-dichlorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(cyclopentylmethyl)-3-(butyl)-
butanedi-
amide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(3-chloro-4-fluorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(cyclopentylmethyl)-3-(butyl)-
butanedi-
amide;
- 25 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(3-chloro-4-fluorophenyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(cyclopentylmethyl)-3-(butyl)-
butanedi-
amide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(benzophenon-3-yl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(cyclopentylmethyl)-3-(butyl)-butanedi-
amide; and
- 30 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(3-(2-naphthyl)benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(cyclopentylmethyl)-3-(butyl)-butanedi-
amide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanedi-
amide;
- 35 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(phenethyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanedi-
amide;

- (2R,3S) N1-[1,3,4,5-tetrahydro-1-((4-fluorophenyl)methyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 5 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(cyclopropylmethyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(cyclobutylmethyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 10 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(cyclopentylmethyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(cyclohexylmethyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 15 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(cyclopropylethyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(cyclobutylethyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 20 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(cyclopentylethyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(cyclohexylethyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 25 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- 30 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(phenethyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-((4-fluorophenyl)methyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- 35

- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(cyclopropylmethyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- 5 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(cyclobutylmethyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(cyclopentylmethyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- 10 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(cyclohexylmethyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(cyclopropylethyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- 15 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(cyclobutylethyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(cyclopentylethyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- 20 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(cyclohexylethyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- 25 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(benzyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(phenethyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide;
- 30 (2R,3S) N1-[1,3,4,5-tetrahydro-1-((4-fluorophenyl)methyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(cyclopropylmethyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanediamide;
- 35

- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(cyclobutylmethyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanedi-
amide;
- 5 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(cyclopentylmethyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanedi-
amide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(cyclohexylmethyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanedi-
amide;
- 10 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(cyclopropylethyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanedi-
amide;
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(cyclobutylethyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanedi-
amide;
- 15 (2R,3S) N1-[1,3,4,5-tetrahydro-1-(cyclopentylethyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanedi-
amide; and
- (2R,3S) N1-[1,3,4,5-tetrahydro-1-(cyclohexylethyl)-2-oxo-5-(phenyl)-2H-1,5-benzodiazepin-3-yl]-2-(2-methylpropyl)-3-(butyl)-butanedi-
amide.
- 20
18. A compound according to Claim 1 selected from:
- (2R,3S) N1-[(3S)-hexahydro-1-(3,3-diphenylpropyl)-2-oxo-1H-azepin-3-yl]-N4-(hydroxy)-2-(2-methylpropyl)-3-(propyl)-butanedi-
amide;
- 25 (2R,3S) N1-[(3S)-hexahydro-1-(3-phenoxybenzyl)-2-oxo-1H-azepin-3-yl]-N4-(hydroxy)-2-(2-methylpropyl)-3-(propyl)-butanedi-
amide;
- (2R,3S) N1-[(3S)-hexahydro-1-(phenyl)-2-oxo-1H-azepin-3-yl]-N4-(hydroxy)-2-(2-methylpropyl)-3-(propyl)-butanedi-
amide;
- 30 (2R,3S) N1-[(3S)-hexahydro-1-(3-phenoxybenzyl)-2-oxo-1H-azepin-3-yl]-N4-(methyl)-2-(2-methylpropyl)-3-(propyl)-butanedi-
amide;
- 35 (2R,3S) N1-[(3S)-hexahydro-1-(3-phenoxybenzyl)-2-oxo-1H-azepin-3-yl]-N4-(methoxy)-N4-(methyl)-2-(2-methylpropyl)-3-(propyl)-butanedi-
amide;

- (2R,3S) N1-[(3S)-hexahydro-1-(3-phenoxybenzyl)-2-oxo-1H-azepin-3-yl]-N4-(methoxy)-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 5 (2R,3S) N1-[(3S)-hexahydro-1-(3-phenoxybenzyl)-2-oxo-1H-azepin-3-yl]-N4-(amino)-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-phenoxybenzyl)-2-oxo-1H-azepin-3-yl]-N4-(hydroxy)-2-(2-methylpropyl)-3-(allyl)-butanediamide;
- 10 (2R,3S) N1-[(3S)-hexahydro-1-(3-(2,4-dichlorophenyl)benzyl)-2-oxo-1H-azepin-3-yl]-N4-(hydroxy)-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-(4-fluorophenyl)benzyl)-2-oxo-1H-azepin-3-yl]-N4-(hydroxy)-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 15 (2R,3S) N1-[(3S)-hexahydro-1-(3-(4-methylphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-N4-(hydroxy)-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-(4-methoxyphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-N4-(hydroxy)-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 20 (2R,3S) N1-[(3S)-hexahydro-1-(3-(3-methylphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-N4-(hydroxy)-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 25 (2R,3S) N1-[(3S)-hexahydro-1-(3-(3-chloro-4-fluorophenyl)benzyl)-2-oxo-1H-azepin-3-yl]-N4-(hydroxy)-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-(4-trifluoromethylphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-N4-(hydroxy)-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 30 (2R,3S) N1-[(3S)-hexahydro-1-(3-(3-methoxyphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-N4-(hydroxy)-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-(3-fluorophenyl)benzyl)-2-oxo-1H-azepin-3-yl]-N4-(hydroxy)-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 35

- (2R,3S) N1-[(3S)-hexahydro-1-(3-(2-methoxyphenyl)benzyl)-2-oxo-1H-azepin-3-yl]-N4-(hydroxy)-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 5 (2R,3S) N1-[(3S)-hexahydro-1-(3-(2-naphthyl)benzyl)-2-oxo-1H-azepin-3-yl]-N4-(hydroxy)-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-phenoxybenzyl)-2-oxo-1H-azepin-3-yl]-N4-(butyl)-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- 10 (2R,3S) N1-[(3S)-hexahydro-1-(3-phenoxybenzyl)-2-oxo-1H-azepin-3-yl]-N4-(2-furylmethyl)-2-(2-methylpropyl)-3-(propyl)-butanediamide;
- (2R,3S) N1-[(3S)-hexahydro-1-(3-phenoxybenzyl)-2-oxo-1H-azepin-3-yl]-N4-(cyclopentyl)-2-(2-methylpropyl)-3-(propyl)-butanediamide; and
- 15 (2R,3S) N1-[(3S)-hexahydro-1-(3-phenoxybenzyl)-2-oxo-1H-azepin-3-yl]-N4-(cinnamyl)-2-(2-methylpropyl)-3-(propyl)-butanediamide.
- 20 19. A pharmaceutical composition comprising a compound according to one of Claims 1-18 and a pharmaceutically acceptable carrier.
- 25 20. A method for the treatment of neurological disorders associated with β -amyloid production comprising administering to a host in need of such treatment a therapeutically effective amount of a compound according to one of Claims 1-18.
- 30 21. A method for the treatment of Alzheimer's Disease associated with β -amyloid production comprising administering to a host in need of such treatment a therapeutically effective amount of a compound according to one of Claims 1-18 .
- 35 22. A method for the treatment of neurological disorders associated with β -amyloid production comprising administering to a host in need of such treatment a therapeutically

effective amount of a metalloprotease inhibitor which inhibits γ -secretase activity.

23. The method of Claim 22 wherein the metalloprotease
5 inhibitor is a hydroxamic acid.

24. The method of Claim 22 wherein the metalloprotease
inhibitor is a hydroxamic acid with an IC_{50} value of less
than 10 μM in the $A\beta$ immunoprecipitation assay.

10 25. A method for inhibiting γ -secretase activity comprising
administering to a host in need of such inhibition a
therapeutically effective amount of a compound according to
one of Claims 1-18 that inhibits γ -secretase activity.

15

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/US 99/17717

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07D223/12 A61K31/55 C07D401/06 C07D405/12 C07D401/10
C07D243/24

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07D A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>WO 96 29313 A (THE PROCTER & GAMBLE COMPANY) 26 September 1996 (1996-09-26) cited in the application</p> <p>* example 4 (compound 32 and 4; example 5 (compound 36, 37, 38 and 5); example 6 (compound 42,43,44 and 6); example 10 (compound 68, 69, 70 and 10) *</p> <p style="text-align: center;">--- -/--</p>	1

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

5 November 1999

Date of mailing of the international search report

19/11/1999

Name and mailing address of the ISA

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Authorized officer

Van Bijlen, H

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/US 99/17717

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	CHEMICAL ABSTRACTS, vol. 129, no. 22, 30 November 1998 (1998-11-30) Columbus, Ohio, US; abstract no. 290051p, NATCHUS, MICHAEL G. ET AL.: "Design and synthesis of conformationally constrained MMP inhibitors." XP002121829 abstract -& DATABASE CHEMICAL ABSTRACTS 'Online! CA 129:290051, XP002121830 compounds with RN 214134-05-1 and -03-9 & BIOORG. MED. CHEM. LETT., vol. 8, no. 16, - 1998 pages 2077-2080, -----	1
X	US 5 594 006 A (OTSUKA PHARMACEUTICAL CO.,LTD.) 14 January 1997 (1997-01-14) * example 15, 16 (starting product and end product), 28, 31, 44 and 50 * -----	1
A	EP 0 652 009 A (ELI LILLY AND COMPANY) 10 May 1995 (1995-05-10) cited in the application claims -----	1,19
A	US 5 734 054 A (PHARMACOPEDIA, INC.) 31 March 1998 (1998-03-31) column 1 -column 4 -----	1,19

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 99/17717

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: 20-25
because they relate to subject matter not required to be searched by this Authority, namely:
Remark: Although claims 20-25 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 99/17717

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 9629313 A	26-09-1996	US 5672598 A	30-09-1997
		AU 5255896 A	08-10-1996
		BR 9607772 A	07-07-1998
		CA 2216129 A	26-09-1996
		CZ 9702951 A	13-05-1998
		EP 0815084 A	07-01-1998
		HU 9800813 A	28-07-1998
		JP 11502523 T	02-03-1999
		NO 974335 A	21-11-1997
		NZ 304689 A	28-05-1999
		ZA 9602253 A	30-09-1996
US 5594006 A	14-01-1997	JP 8081443 A	26-03-1996
		AU 672888 B	17-10-1996
		AU 6263794 A	11-10-1994
		CA 2136108 A	29-09-1994
		CN 1105799 A	26-07-1995
		EP 0641323 A	08-03-1995
		JP 7157470 A	20-06-1995
		WO 9421612 A	29-09-1994
EP 652009 A	10-05-1995	AU 6897094 A	16-02-1995
		CA 2129689 A	10-02-1995
		CN 1120040 A	10-04-1996
		CZ 9401841 A	15-03-1995
		JP 7165606 A	27-06-1995
		NO 942883 A	10-02-1995
		NZ 264143 A	26-11-1996
		ZA 9405719 A	01-02-1996
US 5734054 A	31-03-1998	US 5872262 A	16-02-1999